

ESTABLISHED

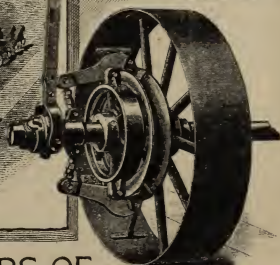
1879.

The largest Pulley Works in the World.

MEDART PATENT PULLEY CO.



1892



MANUFACTURERS OF
WROUGHT RIM PULLEYS.

SHAFTING, HANGERS, COUPLINGS,
PILLOW BLOCKS Etc.

OFFICE AND FACTORY

ST. LOUIS, MO.

BRANCH STORE
CHICAGO,
39 & 41 SOUTH CANAL ST.

BRANCH STORE
CINCINNATI,
59 VINE ST.

WRITE FOR
DISCOUNTS.



INDEX.

	Price List, Page.	Descrip- tion, Page.
BABBITT METAL, - - - - -	35	....
BELT TIGHTENERS, - - - - -	33	54
BOXES, COMMON FLAT, - - - - -	32	52
BOXES, ECCENTRIC, - - - - -	34	53
BOXES, FLOOR, - - - - -	33	52
BOXES, SOLID JOURNAL, - - - - -	32	52
BOXES, STEP, - - - - -	33	53
CIPHER CODE, MISCELLANEOUS, - - - - -	....	12
COLLARS, - - - - -	24	24
COUPLINGS, COMPRESSION, - - - - -	25	45
COUPLINGS, COMPRESSION, WITH SHELL, - - - - -	25	45
COUPLINGS, DENTAL, - - - - -	26	46
COUPLINGS, FLANGE, - - - - -	25	45
COUPLINGS, FRICTION CLUTCH, - - - - -	9	40
FLOOR STANDS, DOUBLE BRACE, - - - - -	28	48
FLOOR STANDS, SINGLE BRACE, - - - - -	27	47
FLOOR STANDS, SPECIAL, - - - - -	34	55
FULCRUM STANDS, - - - - -	34	56
HANGERS, DOUBLE BRACE DROP, - - - - -	28	48
HANGERS, SINGLE BRACE DROP, - - - - -	27	47
HANGERS, ADJUSTABLE POST, - - - - -	29	48
HANGERS, RIGID POST, - - - - -	29	49
HANGERS, GIRDER, - - - - -	30	50
INSTRUCTIONS FOR ORDERING PULLEYS, - - - - -	....	11
LUBRICATORS, LOOSE PULLEY, - - - - -	35	56
LUBRICATORS, SHAFT, - - - - -	35	56
LUBRICANTS, - - - - -	35	56
LUMBER TRUCK WHEELS, - - - - -	35	55
MULE PULLEY STANDS, - - - - -	34	54
PILLOW BLOCKS, ADJUSTABLE, - - - - -	31	50
PILLOW BLOCKS, BALL AND SOCKET, - - - - -	31	51
PILLOW BLOCKS, BRACKET, - - - - -	31	49
PILLOW BLOCKS, RIGID, - - - - -	32	51
PULLEYS, PLAIN, - - - - -	12	11
PULLEYS, SPLIT, - - - - -	12	11
PULLEYS, TIGHT AND LOOSE, - - - - -	12	11
PULLEYS, SLEEVE, - - - - -	23	43
PULLEYS, CONE, - - - - -	21	41
PULLEYS, FLANGED, - - - - -	23	44
PULLEYS, FRICTION CLUTCH, - - - - -	3	39
PULLEYS, FRICTION CLUTCH, DIRECTIONS FOR PUTTING UP, - - - - -	....	41
SHAFTING, - - - - -	24	44
SLOTTED BRACKETS, - - - - -	30	49
WALL FRAMES, - - - - -	33	53

MEDART PATENT PULLEY CO.

ESTABLISHED 1879.

The Largest Pulley Works in the World

MANUFACTURERS OF

**Wrought Rim Pulleys, Shafting,
Hangers, Couplings,
Pillow Blocks, Etc.**

FACTORY AND OFFICE:

1206, 1208, 1210, 1212 and 1214 N. Main St.,
SAINT LOUIS.

BRANCH STORES:

Nos. 39 AND 41 S. CANAL STREET, CHICAGO.

No. 59 VINE STREET, CINCINNATI.

SHIPMENTS AT BUYER'S RISK.

ST. LOUIS:
BUXTON & SKINNER STA. CO., 215, 217 CHESTNUT ST.
1892.

FRICTION CLUTCH PULLEYS.

Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.		Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.	
			Single Belt.	Double Belt.	Single Belt.	Double Belt.				Single Belt.	Double Belt.	Single Belt.	Double Belt.
16	5	Architects...	17	17	\$29 00	\$31 00	23	14	Bronze	27	27	\$56 00	\$61 00
	6	Artics	18	18	32 25	34 50		16	Buckets	29	29	63 00	70 00
	8	Armlets	21	21	34 50	36 50		18	Buckles	31	33	69 00	79 00
10	10	Armories	23	23	37 00	41 00	24	4	Buffing	16	16	32 00	36 00
12	12	Arresters	25	25	42 00	45 00		5	Buggy	18	18	38 00	42 00
14	14	Artesian	27	27	44 00	50 00		6	Builders	19	19	40 50	44 00
17	3	Baggasssee...	14	14	26 00	26 60		8	Bumpers	21	21	45 00	49 00
	4	Bagatelle	16	16	27 00	28 00		10	Burlaps	23	23	51 50	56 00
	5	Baking	17	17	29 50	32 00		12	Burners	25	25	55 00	60 00
	6	Balmoral	18	18	33 00	35 00		14	Business	27	27	59 00	64 00
	8	Banding	21	21	35 00	37 00		16	Buskins	29	29	64 00	71 00
10	10	Banjo	23	23	37 50	41 50		18	Buttons	31	33	72 00	81 00
12	12	Barrows	25	25	42 50	45 50		20	Cabinet	33	35	82 00	91 00
14	14	Basins	27	27	44 00	51 00	25	4	Caddies	17	17	34 50	39 00
18	3	Basque	14	14	26 50	27 50		5	Cakes	18	18	41 00	46 00
	4	Beading	16	16	27 50	28 50		6	Calclron	19	19	44 00	50 00
	5	Beaters	17	17	30 00	32 50		8	Caligraph	21	21	50 00	54 00
	6	Bedstead	18	18	33 50	36 00		10	Caloric	23	23	56 00	61 00
	8	Belaying	21	21	35 50	40 00		12	Cambrie	25	25	61 00	65 00
10	10	Bellows	23	23	39 00	44 00		14	Camera	27	27	66 00	70 00
12	12	Benches	25	25	43 50	47 00		16	Candle	29	29	71 00	75 00
14	14	Berry	27	27	46 00	52 00		18	Canes	31	33	80 00	86 00
16	16	Bicycle	29	29	49 00	57 00		20	Canister	33	35	86 00	96 00
19	4	Biggins	16	16	28 00	29 00	26	4	Canker	17	17	37 00	42 00
	5	Billiard	17	17	31 00	33 50		5	Canning	18	18	43 00	47 00
	6	Bindings	18	18	34 00	37 00		6	Cannon	19	19	47 00	51 00
	8	Birch	21	21	38 00	42 00		8	Canvas	21	21	53 00	57 00
10	10	Birthday	23	23	41 00	46 00		10	Capstan	23	23	59 00	63 00
12	12	Biscuit	25	25	44 00	49 00		12	Capsules	25	25	63 00	67 00
14	14	Bitters	27	27	47 00	54 00		14	Carbonate	27	27	69 00	73 00
16	16	Blanket	29	29	50 00	60 00		16	Cardboard ..	29	29	75 00	80 00
20	4	Blast	16	16	28 50	29 50		18	Carriage	31	33	84 00	90 00
	5	Blasting	18	18	31 00	34 00		20	Cartoon	33	35	93 00	100 00
	6	Bleachers	19	19	34 50	37 00	27	4	Cartridge	17	17	40 00	45 00
	8	Blinds	21	21	40 00	43 00		5	Casket	18	18	45 00	49 00
10	10	BlotTERS	23	23	42 00	47 00		6	Catarrh	19	19	49 00	53 00
12	12	Blowers	25	25	45 00	51 00		8	Caustic	21	21	54 00	58 00
14	14	Bluing	27	27	49 50	56 00		10	Cellar	23	23	60 00	64 00
16	16	Robbins	29	29	53 00	63 00		12	Celluloid	25	25	65 00	70 00
21	4	Boilers	16	16	29 00	30 50		14	Cemetery	27	27	72 00	76 00
	5	Bolting	18	18	32 00	36 00		16	Centering	29	29	78 00	82 00
	6	Bonnet	19	19	36 00	40 50		18	Cesspool	31	33	88 00	94 00
	8	Borders	21	21	40 50	44 00		20	Chafing	33	35	99 00	105 00
10	10	Boring	23	23	44 50	49 00	28	4	Charcoal	17	17	42 00	48 00
12	12	Botanical	25	25	46 00	53 00		5	Chemical	18	18	46 00	50 00
14	14	Bottle	27	27	50 00	57 00		6	Cheviots	19	19	50 00	55 00
16	16	Bottoms	29	29	55 00	68 00		8	Children	21	21	55 00	59 00
22	4	Boxing	16	16	29 50	32 00		10	Chimes	23	23	61 00	65 00
	5	Bracelet	18	18	34 00	37 00		12	Chinchilla ..	25	25	66 00	71 00
	6	Braiders	19	19	37 50	41 00		14	Chloride	27	27	74 00	78 00
	8	Brandied	21	21	41 00	45 00		16	Chocolate ..	29	29	79 00	86 00
10	10	Brazing	23	23	45 50	50 00		18	Choppers	31	33	89 00	98 00
12	12	Breakers	25	25	49 00	54 00		20	Chromo	33	35	100 00	110 00
14	14	Breakfast	27	27	53 00	58 00	29	4	Churns	17	17	43 00	50 00
16	16	Brewers	29	29	60 00	69 00		5	Cigarette	18	18	47 00	52 00
18	18	Brewery	31	33	64 00	76 00		6	Circular	19	19	52 00	56 00
23	4	Briarwood	16	16	31 50	34 00		8	Cistern	21	21	56 00	61 00
	5	Bridges	18	18	36 00	39 00		10	Clapboard ..	23	23	63 00	68 00
	6	Britannia	19	19	39 00	43 00		12	Clappers	25	25	68 00	72 00
	8	Broaches	21	21	43 00	47 00		14	Clarifiers	27	27	76 00	80 00
10	10	Brogans	23	23	48 00	52 00		16	Clasps	29	29	82 00	90 00
12	12	Bromine	25	25	51 00	56 00		18	Classifiers ..	31	33	92 00	103 00

FRICION CLUTCH PULLEYS.

5

Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.		Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.	
			Single Belt.	Double Belt.	Single Belt.	Double Belt.				Single Belt.	Double Belt.		
29	20	Cleaners	33	35	\$104 00	\$116 00	36	5	Dippers	18	18	\$62 00	\$67 00
30	4	Cleives.....	17	17	44 00	52 00		6	Distillery....	19	19	67 00	72 00
	5	Cloaking	18	18	49 00	55 00		8	Ditchers....	21	21	72 00	77 00
	6	Closets.....	19	19	54 00	60 00		10	Documents...	23	23	80 00	85 00
	8	Clothes.....	21	21	58 00	65 00		12	Domestic....	25	25	88 00	95 00
	10	Clothing	23	23	65 00	70 00		14	Dominoes...	27	27	97 00	105 00
	12	Cocaine	25	25	70 00	75 00		16	Dowel	29	29	104 00	115 00
	14	Cologne.....	27	27	79 00	83 00		18	Drainers	31	33	118 00	132 00
	16	Colored....	29	29	86 00	91 00		20	Drawers	33	35	131 00	150 00
	18	Combing	31	33	95 00	106 00		22	Dredging	35	35	140 00	162 00
	20	Commode	33	35	109 00	122 00		24	Dresser.....	37	37	150 00	180 00
31	4	Concrete	17	17	45 00	54 00	38	4	Dulcimers....	18	18	58 00	66 00
	5	Condenser ...	18	18	50 00	57 00		5	Dusters	19	19	64 00	70 00
	6	Conduits	19	19	55 00	61 00		6	Dyewood....	20	20	70 00	75 00
	8	Conical.....	21	21	60 00	66 00		8	Dynamite	22	22	75 00	80 00
	10	Consumers ...	23	23	66 00	72 00		10	Dynamos....	25	25	85 00	90 00
	12	Contractor ...	25	25	72 00	78 00		12	Earrings	27	27	90 00	100 00
	14	Convortor ...	27	27	80 00	86 00		14	Earthen	29	29	100 00	112 00
	16	Convex.....	29	29	88 00	94 00		16	Edging.....	31	31	108 00	122 00
	18	Conveyor	31	33	98 00	115 00		18	Ejectors....	33	33	120 00	136 00
	20	Cooling	33	35	113 00	128 00		20	Elastic.....	35	35	133 00	158 00
32	4	Cooperage ...	17	17	47 00	56 00		22	Elbows.....	37	37	146 00	168 00
	5	Copying	18	18	52 00	59 00		24	Elevator	39	39	160 00	184 00
	6	Coral.....	19	19	57 00	62 00	40	4	Elixirs	18	18	60 00	68 00
	8	Cordage	21	21	62 00	68 00		5	Embalmer ...	19	19	67 00	73 00
	10	Corkscrew... 23	23	67 00	74 00		6	Embossed... 20	20	73 00	79 00		
	12	Corrugate ...	25	25	74 00	80 00		8	Endless	22	22	81 00	86 00
	14	Corsets	27	27	83 00	88 00		10	Engine.....	25	25	90 00	97 00
	16	Corundum ...	29	29	91 00	98 00		12	Epaulett ...	27	27	94 00	107 00
	18	Cosmetics ...	31	33	102 00	118 00		14	Erasers	29	29	106 00	117 00
	20	Costumes ...	33	35	117 00	133 00		16	Essences....	31	31	111 00	128 00
33	4	Cover	17	17	48 00	58 00		18	Etching.....	33	33	125 00	145 00
	5	Cowhide	18	18	53 00	61 00		20	Excelsior... 35	35	139 00	164 00	
	6	Crackers	19	19	58 00	66 00		22	Exhaust....	37	37	154 00	175 00
	8	Crashes	21	21	64 00	70 00		24	Expense....	39	39	166 00	190 00
	10	Crayon.....	23	23	70 00	76 00	42	4	Export	18	18	63 00	70 00
	12	Creepers ...	25	25	76 00	84 00		5	Extractor....	19	19	69 00	76 00
	14	Creosote ...	27	27	86 00	94 00		6	Eyelet.....	20	20	75 00	84 00
	16	Crimpers....	29	29	94 00	103 00		8	Fancy.....	22	22	84 00	91 00
	18	Crinoline... 31	33	104 00	121 00		10	Farina.....	25	25	93 00	101 00	
	20	Croquet	33	35	119 00	137 00		12	Fasteners... 27	27	99 00	112 00	
34	4	Crushers	17	17	50 00	60 00		14	Faucet.....	29	29	108 00	125 00
	5	Crutches ...	18	18	55 00	63 00		16	Felloe.....	31	31	116 00	136 00
	6	Cuffs.....	19	19	60 00	68 00		18	Fender.....	33	33	130 00	155 00
	8	Cultivator ...	21	21	66 00	74 00		20	Fertilizer ...	35	35	144 00	170 00
	10	Cupboard ...	23	23	73 00	80 00		22	Fibre.....	37	37	160 00	185 00
	12	Cupulo.....	25	25	79 00	88 00		24	Fibrous....	39	39	175 00	200 00
	14	Curlers	27	27	90 00	98 00	44	4	Firepot....	18	18	68 00	75 00
	16	Curriers ...	29	29	96 00	108 00		5	Fireproof... 19	19	74 00	81 00	
	18	Curtain.....	31	33	108 00	126 00		6	Fixtures....	20	20	81 00	90 00
	20	Cushions ...	33	35	122 00	141 00		8	Flageolet... 22	22	90 00	100 00	
35	4	Cutlery.....	17	17	52 00	62 00		10	Flannel....	25	25	100 00	110 00
	5	Cylinder ...	18	18	57 00	65 00		12	Flexible....	27	27	107 00	120 00
	6	Cymbals	19	19	62 00	69 00		14	Flooring....	29	29	118 00	134 00
	8	Damask	21	21	69 00	75 00		16	Floral.....	31	31	126 00	146 00
	10	Daubers	23	23	77 00	82 00		18	Folders....	33	33	140 00	165 00
	12	Deflector ...	25	25	82 00	90 00		20	Forging....	35	35	150 00	185 00
	14	Derrick	27	27	92 00	100 00		22	Fusible....	37	37	170 00	205 00
	16	Destroyer ...	29	29	98 00	110 00		24	Galloon....	39	39	190 00	222 00
	18	Detector	31	33	110 00	129 00	46	4	Galvanic....	18	18	73 00	81 00
	20	Devices	33	35	124 00	145 00		5	Garment....	19	19	79 00	87 00
36	4	Diggers	17	17	55 00	64 00		6	Glassware... 20	20	84 00	95 00	

Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.		Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.	
			Single Belt.	Double Belt.	Single Belt.	Double Belt.				Single Belt.	Double Belt.	Single Belt.	Double Belt.
46	8	Glazier	22	22	\$ 93 00	\$105 00	56	8	Juvenile	23	23	\$118 00	\$134 00
10		Gondola	25	25	103 00	115 00	10		Kalsomine ..	25	25	128 00	146 00
12		Gopher	27	27	114 00	125 00	12		Kaolin	27	27	137 00	160 00
14		Governor	29	29	124 00	139 00	14		Kerosene	29	29	150 00	174 00
16		Graphite	31	31	131 00	154 00	16		Kettle	31	31	160 00	192 00
18		Graters	33	33	146 00	174 00	18		Killers	33	33	178 00	210 00
20		Grating	35	35	161 00	190 00	20		Kindlers	35	35	196 00	232 00
22		Gravity	37	37	177 00	210 00	22		Kitchen	37	37	222 00	260 00
24		Griddles	39	39	195 00	233 00	24		Knapsack	40	40	248 00	292 00
48	6	Grinders	21	21	90 00	103 00	26		Knitters	42	42	274 00	318 00
8		Grocers	23	23	103 00	114 00	28		Knives	44	44	304 00	354 00
10		Guano	25	25	115 00	125 00	30		Knuckle	46	46	340 00	392 00
12		Gudgeons	27	27	122 00	135 00	58	6	Lacing	21	21	110 00	124 00
14		Gunning	29	29	132 00	149 00	8		Lacquers	23	23	120 00	139 00
16		Gutters	31	31	140 00	165 00	10		Ladders	25	25	132 00	150 00
18		Gypsum	33	33	154 00	185 00	12		Lagging	27	27	140 00	164 00
20		Hackers	35	35	170 00	200 00	14		Lamps	29	29	152 00	182 00
22		Hammock	37	37	187 00	222 00	16		Landau	31	31	164 00	198 00
24		Hampers	40	40	207 00	250 00	18		Lariats	33	33	182 00	218 00
26		Handles	42	42	245 00	280 00	20		Lassos	35	35	204 00	242 00
28		Hardware	44	44	270 00	309 00	22		Latches	38	38	228 00	270 00
30		Harness	46	46	304 00	349 00	24		Lattice	41	41	253 00	302 00
50	6	Harpoon	21	21	94 00	108 00	26		Launches	43	43	278 00	328 00
8		Harrow	23	23	107 00	120 00	28		Laundry	45	45	312 00	366 00
10		Headers	25	25	118 00	130 00	30		Lavender	47	47	350 00	404 00
12		Hemacite	27	27	125 00	140 00	60	6	Leading	23	23	116 00	134 00
14		Hexagon	29	29	136 00	155 00	8		Leather	25	25	126 00	146 00
16		Historical	31	31	145 00	170 00	10		Legal	27	27	135 00	160 00
18		Hoisting	33	33	160 00	190 00	12		Leggins	29	29	147 00	178 00
20		Holders	35	35	176 00	210 00	14		Licorice	31	31	160 00	194 00
22		Hominy	37	37	196 00	231 00	16		Lifters	33	33	172 00	214 00
24		Hoopskirt	40	40	218 00	260 00	18		Lighters	35	35	190 00	236 00
26		Hosiery	42	42	249 00	290 00	20		Linen	38	38	215 00	266 00
28		Hospital	44	44	278 00	320 00	22		Linoleum	40	40	245 00	290 00
30		Hotel	46	46	310 00	358 00	24		Linseed	42	42	267 00	320 00
52	6	Hurricane	21	21	98 00	111 00	26		Linsey	44	44	291 00	340 00
8		Hydrant	23	23	110 00	124 00	28		Liquid	46	46	328 00	390 00
10		Images	25	25	120 00	136 00	30		Loadstone	48	48	370 00	428 00
12		Imitation	27	27	129 00	148 00	62	6	Logging	23	23	123 00	145 00
14		Imperial	29	29	141 00	160 00	8		Looms	25	25	134 00	156 00
16		Incent	31	31	150 00	176 00	10		Loop	27	27	144 00	169 00
18		Inclined	33	33	168 00	198 00	12		Lounges	29	29	155 00	186 00
20		Incubator	35	35	181 00	216 00	14		Lozege	31	31	170 00	202 00
22		Indelible	37	37	202 00	240 00	16		Luminous	33	33	180 00	222 00
24		Index	40	40	226 00	269 00	18		Macaroni	35	35	200 00	246 00
26		Indicating	42	42	260 00	300 00	20		Magnesia	38	38	228 00	274 00
28		Indigo	44	44	284 00	328 00	22		Majolica	40	40	256 00	304 00
30		Induction	46	46	320 00	368 00	24		Malleable	42	42	282 00	336 00
54	6	Ingot	21	21	104 00	114 00	26		Mandolin	44	44	308 00	366 00
8		Inkstand	23	23	116 00	130 00	28		Manhole	46	46	350 00	404 00
10		Insect	25	25	124 00	140 00	30		Manicure	48	48	386 00	442 00
12		Inserted	27	27	133 00	152 00	64	6	Manifold	23	23	128 00	152 00
14		Inside	29	29	145 00	164 00	8		Mantel	25	25	137 00	162 00
16		Insoles	31	31	155 00	182 00	10		Manure	27	27	147 00	174 00
18		Invalid	33	33	173 00	204 00	12		Marine	29	29	160 00	194 00
20		Isinglass	35	35	186 00	224 00	14		Mashers	31	31	174 00	214 00
22		Ivory	37	37	210 00	250 00	16		Matchers	33	33	188 00	234 00
24		Jaggers	40	40	236 00	280 00	18		Mattock	35	35	210 00	258 00
26		Japanese	42	42	267 00	310 00	20		Mattress	38	38	236 00	288 00
28		Jewelers	44	44	297 00	346 00	22		Mercury	40	40	264 00	318 00
30		Jewelry	46	46	330 00	380 00	24		Metalic	42	42	292 00	352 00
56	6	Jute	21	21	106 00	119 00	26		Metric	44	44	326 00	382 00

Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.		Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.	
			Single Belt.	Double Belt.	Single Belt.	Double Belt.				Single Belt.	Double Belt.	Single Belt.	Double Belt.
64	28	Mica	46	46	\$367 00	\$420 00	74	20	Piazza	38	40	\$322 00	\$392 00
	30	Military	48	48	400 00	462 00		22	Picture	40	42	344 00	422 00
66	6	Millinery	23	23	133 00	153 00		24	Pigeon	42	44	374 00	456 00
	8	Mirrors	25	25	142 00	168 00		26	Pillows	44	46	415 00	490 00
	10	Mitre	27	27	152 00	182 00		28	Pitcher	46	48	450 00	524 00
	12	Mixers	29	29	167 00	202 00		30	Placques	48	50	480 00	558 00
	14	Moccasins	31	31	182 00	222 00		32	Planers	50	52	520 00	600 00
	16	Model	33	33	195 00	242 00		34	Platers	52	54	550 00	640 00
	18	Mohair	35	35	220 00	270 00		36	Plumbago	54	56	585 00	680 00
	20	Morocco	38	38	247 00	306 00		8	Plumbers	25	26	202 00	249 00
	22	Mosquito	40	40	273 00	336 00		10	Pointers	27	28	217 00	264 00
	24	Motors	42	42	304 00	372 00		12	Polo	29	30	242 00	286 00
	26	Moulders	44	44	348 00	404 00		14	Popcorn	31	32	261 00	316 00
	28	Mowers	46	46	380 00	448 00		16	Porcelain	33	34	282 00	340 00
68	30	Mucilage	48	48	418 00	486 00		18	Portable	35	36	308 00	370 00
	6	Muddlers	23	24	140 00	166 00		20	Postal	38	40	346 00	404 00
	8	Multiple	25	26	152 00	186 00		22	Potash	40	42	366 00	440 00
	10	Mungoes	27	28	170 00	206 00		24	Poultry	42	44	390 00	470 00
	12	Municipal	29	30	184 00	226 00		26	Preserves	44	46	430 00	510 00
	14	Musical	31	32	204 00	246 00		28	Pressure	46	48	465 00	540 00
	16	Mustache	33	34	224 00	274 00		30	Propeller	48	50	495 00	570 00
	18	Muzzies	35	36	250 00	302 00		32	Pudding	50	52	530 00	610 00
	20	Napkins	38	40	277 00	332 00		34	Purifier	52	54	565 00	656 00
	22	Naphtha	40	42	304 00	364 00		36	Rattan	54	56	600 00	700 00
	24	Nautical	42	44	325 00	394 00	78	8	Rattlers	25	26	215 00	260 00
	26	Necklace	44	46	363 00	428 00		10	Rawhide	27	28	230 00	280 00
	28	Necktie	46	48	400 00	458 00		12	Reamers	29	30	255 00	302 00
70	30	Needles	48	50	435 00	506 00		14	Regalia	31	32	275 00	330 00
	6	Nippers	23	24	150 00	180 00		16	Replacers	33	34	297 00	358 00
	8	Nirtate	25	26	164 00	200 00		18	Ribbon	35	36	324 00	386 00
	10	Noiseless	27	28	180 00	220 00		20	Rockers	38	40	358 00	420 00
	12	Notary	29	30	200 00	240 00		22	Roofers	40	42	382 00	456 00
	14	Novelty	31	32	222 00	264 00		24	Rotary	42	44	408 00	490 00
	16	Nursery	33	34	239 00	290 00		26	Rubber	44	46	450 00	520 00
	18	Oblong	35	36	262 00	316 00		28	Rulers	46	48	486 00	560 00
	20	Ochre	38	40	290 00	350 00		30	Runners	48	50	515 00	590 00
	22	Octave	40	42	315 00	380 00		32	Rustic	50	52	556 00	640 00
	24	Onyx	42	44	345 00	412 00		34	Safety	52	54	594 00	680 00
	26	Opera	44	46	378 00	446 00		36	Salad	54	56	624 00	720 00
	28	Ordnance	46	48	411 00	484 00	80	10	Saloon	27	28	240 00	290 00
	30	Ostrich	48	50	448 00	526 00		12	Sardine	29	30	266 00	320 00
72	8	Outsole	25	26	175 00	220 00		14	Sassafras	31	32	290 00	340 00
	10	Overall	27	28	191 00	240 00		16	Scaffold	33	34	316 00	380 00
	12	Overhead	29	30	211 00	258 00		18	Scourers	35	36	346 00	418 00
	14	Overshoe	31	32	233 00	280 00		20	Scrapers	38	40	382 00	458 00
	16	Oyster	33	34	253 00	300 00		22	Sectional	40	42	410 00	500 00
	18	Package	35	36	280 00	330 00		24	Separator	42	44	442 00	534 00
	20	Pamphlet	38	40	306 00	366 00		26	Sewerage	44	46	488 00	564 00
	22	Pantry	40	42	328 00	400 00		28	Sheathing	46	48	522 00	600 00
	24	Parallel	42	44	358 00	430 00		30	Shoddy	48	50	552 00	638 00
	26	Parasol	44	46	392 00	464 00		32	Shucks	50	52	590 00	680 00
	28	Parchment	46	48	426 00	502 00		34	Siamese	52	54	620 00	720 00
	30	Parlor	48	50	460 00	536 00		36	Sidewalk	54	56	650 00	760 00
	32	Pastry	50	52	500 00	580 00	82	10	Skewers	28	29	250 00	300 00
	34	Pavilion	52	54	535 00	624 00		12	Slasher	29	31	272 00	330 00
	36	Pendants	54	56	570 00	660 00		14	Slippers	32	33	300 00	360 00
74	8	Pepsine	25	26	190 00	230 00		16	Soapstone	33	34	328 00	390 00
	10	Perfume	27	28	206 00	250 00		18	Society	35	36	356 00	430 00
	12	Pestles	29	30	226 00	274 00		20	Sorghum	38	40	394 00	464 00
	14	Petroleum	31	32	246 00	302 00		22	Spatulas	40	42	426 00	510 00
	16	Phosphate	33	34	266 00	326 00		24	Speaking	42	44	454 00	540 00
	18	Piano	35	36	293 00	356 00		26	Specialties ..	44	46	510 00	578 00

FRICTION CLUTCH PULLEYS.

Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.		Diameter.	Face.	CIPHER.	Space on Shaft, Inches.		PRICE.	
			Single Belt.	Double Belt.	Single Belt.	Double Belt.				Single Belt.	Double Belt.	Single Belt.	Double Belt.
82	28	Specimen....	46	48	\$540 00	\$614 00	90	20	Trammel....	38	40	\$454 00	\$540 00
	30	Spectacle....	49	51	570 00	652 00		22	Tramway....	40	42	498 00	580 00
	32	Speeder.....	51	53	606 00	696 00		24	Transfer....	42	44	538 00	620 00
	34	Spinal.....	53	55	638 00	740 00		26	Transom....	44	46	584 00	660 00
	36	Spindle.....	55	57	672 00	780 00		28	Travelers....	46	48	628 00	710 00
	10	Spiral.....	28	29	258 00	310 00		30	Traverse....	49	51	664 00	760 00
	12	Spittoons....	29	31	280 00	340 00		32	Trellis.....	51	53	702 00	810 00
	14	Sponges.....	32	33	310 00	370 00		34	Trestle.....	53	55	748 00	860 00
	16	Spreaders....	33	34	344 00	402 00		36	Triangle....	55	57	788 00	910 00
	18	Sprinklers....	35	36	374 00	442 00	92	10	Tricycle....	28	29	292 00	350 00
84	20	Squaring....	38	40	414 00	490 00		12	Trimmers....	29	31	322 00	380 00
	22	Squeezers....	40	42	444 00	524 00		14	Tripod.....	32	33	360 00	418 00
	24	Squirrel.....	42	44	478 00	560 00		16	Trowel.....	33	34	390 00	460 00
	26	Stabbing....	44	46	524 00	590 00		18	Tubing.....	35	36	430 00	508 00
	28	Statuary....	46	48	570 00	638 00		20	Tubular....	38	40	480 00	558 00
	30	Stirrups....	49	51	600 00	680 00		22	Tumbler....	40	42	520 00	596 00
	32	Strainers....	51	53	634 00	720 00		24	Tunnelling..	42	44	558 00	640 00
	34	Strapping....	53	55	674 00	768 00		26	Turret.....	44	46	600 00	690 00
	36	Stratena....	55	57	710 00	810 00		28	Tuyere.....	46	48	640 00	736 00
	10	Stringers....	28	29	264 00	320 00	94	30	Tweezers....	49	51	686 00	788 00
86	12	Stretcher....	29	31	288 00	350 00		32	Twisters....	51	53	728 00	838 00
	14	Students....	32	33	320 00	380 00		34	Umbrella....	53	55	770 00	890 00
	16	Substitute....	33	34	352 00	414 00		36	Universal....	55	57	816 00	940 00
	18	Sucker.....	35	36	386 00	456 00		10	Upright....	28	29	300 00	360 00
	20	Sulphate....	38	40	426 00	500 00		12	Upsetters....	29	31	332 00	390 00
	22	Supplies....	40	42	458 00	538 00		14	Utensils....	32	33	366 00	430 00
	24	Supports....	42	44	496 00	580 00		16	Vacine.....	33	34	406 00	476 00
	26	Surface.....	44	46	548 00	610 00		18	Vacuum....	36	36	450 00	526 00
	28	Surgeons....	46	48	588 00	656 00		20	Valise.....	38	40	500 00	576 00
	30	Surgical....	49	51	618 00	706 00	96	22	Varnish....	42	42	540 00	620 00
88	32	Suspender....	51	53	658 00	756 00		24	Vegetable....	44	44	580 00	670 00
	34	Sweepers....	53	55	696 00	800 00		26	Veiling.....	46	46	624 00	714 00
	36	Switches....	55	57	724 00	840 00		28	Veneer.....	48	48	664 00	764 00
	10	Swivel.....	28	29	272 00	330 00		30	Venetian....	50	52	712 00	816 00
	12	Syringe.....	29	31	300 00	360 00		32	Veranda....	52	54	756 00	868 00
	14	System.....	32	33	334 00	394 00		34	Vertical....	54	56	800 00	924 00
	16	Tablets....	33	34	372 00	430 00		36	Vessels....	56	58	844 00	970 00
	18	Tallow.....	35	36	406 00	474 00		10	Vinegar....	28	29	310 00	370 00
	20	Tassel.....	38	40	442 00	510 00		12	Vitrified....	29	31	346 00	410 00
	22	Testers....	40	42	480 00	556 00	98	14	Vitrol.....	32	33	380 00	450 00
90	24	Thimble....	42	44	514 00	600 00		16	Voltaic....	33	34	420 00	500 00
	26	Thread.....	44	46	560 00	638 00		18	Voucher....	36	36	466 00	550 00
	28	Threaders....	46	48	606 00	682 00		20	Washers....	38	40	520 00	600 00
	30	Throat.....	49	51	642 00	732 00		22	Waxwork....	42	42	550 00	650 00
	32	Throttle....	51	53	682 00	780 00		24	Weaners....	44	44	596 00	700 00
	34	Tickets.....	53	55	726 00	826 00		26	Weathers....	46	46	644 00	740 00
	36	Tincture....	55	57	762 00	880 00		28	Webbing....	48	48	688 00	790 00
	10	Tinners....	28	29	284 00	340 00		30	Weeding....	50	52	732 00	846 00
	12	Tinware....	29	31	312 00	370 00		32	Weighing....	52	54	778 00	900 00
	14	Toggles....	32	33	344 00	408 00		34	Welders....	54	56	826 00	960 00
	16	Toilets....	33	34	380 00	446 00		36	Whetstone..	56	58	870 00	1010 00
	18	Traction....	35	36	414 00	490 00							

Friction Clutch Couplings.

SEE CUT No. 5.

FOR DESCRIPTION SEE PAGE 40.

Levers and boxing included in below mentioned prices.

Couplings marked "*" will transmit the full power of shaft under ordinary conditions when the bearings are from 8 to 10 feet apart.

To arrive at the list price of reducing Friction Clutch Coupling use the price of coupling of required horse-power for the largest size shaft to be connected by the coupling.

Diameter of Shaft.	CIPHER.	Diameter of Clutch.	SPACE ON SHAFT, IN INCHES.		Horse Power at 100 Rev's.	PRICE, not Fitted on Shaft.	PRICE, Fitted on Shaft.
			Sheave Side.	Lever Side.			
1 7/16	Aaron	12	4	12 1/2	5	\$44 00	\$48 50
1 11/16	Abadie	12*	4	12 1/2	5	47 00	51 50
	Abbath	14	4	12 1/2	10	50 00	54 50
1 15/16	Abeken	12	4	12 1/2	5	50 00	54 50
	Abend	14*	4	12 1/2	10	53 00	57 50
	Aberle	16	4	13	15	56 00	61 00
	Achard	18	4	14 1/2	20	60 00	65 00
2 3/16	Ackley	12	4	12 1/2	5	53 00	57 50
	Acuff	14	4	12 1/2	10	56 00	60 50
	Adler	16*	4	13	15	60 00	65 00
	Adreon	18	4 1/2	14 1/2	20	63 00	68 00
	Advance	20	4 1/2	16	25	68 00	74 00
2 7/16	Advocate	14	4	12 1/2	10	60 00	64 50
	Aggers	16	4	13	15	63 00	68 00
	Ahern	18*	4 1/2	14 1/2	20	68 00	73 00
	Ainsworth	20	4 1/2	16	25	72 00	78 00
	Albers	22	4 1/2	16	35	84 00	90 00
2 11/16	Albright	14	4	12 1/2	10	63 00	67 50
	Alcock	16	4	13	15	68 00	73 00
	Akire	18	4 1/2	14 1/2	20	72 00	77 00
	Allcorn	20*	4 1/2	16	25	78 00	84 00
	Allis	22	4 1/2	16	35	90 00	96 00
2 15/16	Allison	16	4 1/2	13	15	73 00	78 00
	Allman	18	5	14 1/2	20	78 00	83 00
	Aloe	20	5	16	25	83 00	89 00
	Alsberg	22*	5	16	35	96 00	102 00
	Alsop	24	5 1/2	16	50	106 00	112 00
3 3/16	Althoff	16	4 1/2	13	15	78 00	83 00
	Altman	18	5	14 1/2	20	83 00	88 00
	Appleman	20	5	16	25	90 00	96 00
	Aquart	22	5	16	35	100 00	106 00
	Arado	24*	5 1/2	16	50	110 00	116 00
3 7/16	Arata	16	4 1/2	13	15	85 00	90 00
	Armfield	18	5	14 1/2	20	90 00	95 00
	Armitage	20	5 1/2	16	25	95 00	101 00
	Armour	22	5 1/2	16	35	105 00	111 00
	Armstead	24*	6	16	50	115 00	121 00
	Armstrong	28	6	18	75	128 00	135 00

FRICTION CLUTCH COUPLINGS.

Diameter of Shaft.	CIPHER.	Diameter of Clutch.	SPACE ON SHAFT, IN INCHES.		Horse Power at 100 Rev's.	PRICE, not Fitted on Shaft.	PRICE, Fitted on Shaft.
			Sheave Side.	Lever Side.			
3 11/16	Ashbrook.....	16	4½	13	15	\$ 90 00	\$ 95 00
	Ashdown.....	18	5	14½	20	95 00	100 00
	Ashley.....	20	5½	16	25	100 00	106 00
	Atmore.....	22	5½	16	35	110 00	115 00
	Aultman.....	24	6	16	50	120 00	125 00
	Averill.....	28*	6	18	75	134 00	140 00
3 15/16	Backus.....	18	5	15	20	100 00	105 00
	Badger.....	20	5½	16	25	105 00	110 00
	Badgett.....	22	5½	16	35	118 00	124 00
	Bagby.....	24	6	17	50	128 00	134 00
	Baggott.....	28*	6	19	75	145 00	154 00
	Bagshaw.....	34	7	20	100	186 00	194 00
4 3/16	Bakeley.....	18	5	15	20	105 00	110 00
	Bakewell.....	20	5½	16	25	110 00	116 00
	Ballman.....	22	5½	16	35	124 00	131 00
	Balmer.....	24	6	17	50	134 00	141 00
	Bambrick.....	28	6	19	75	151 00	160 00
	Banister.....	34*	7	20	100	194 00	203 00
4 7/16	Bannon.....	20	5½	16	25	116 00	124 00
	Barada.....	22	5½	16	35	129 00	137 00
	Barnhart.....	24	6	17	50	140 00	148 00
	Barnwell.....	28	6	19	75	156 00	165 00
	Baron.....	34*	7	20	100	200 00	209 00
	Barrett.....	40	7	22	150	258 00	268 00
4 11/16	Bartells.....	20	5½	16	25	120 00	128 00
	Bashaw.....	22	5½	16	35	133 00	141 00
	Bass.....	24	6	17	50	144 00	152 00
	Bastian.....	28	6	19	75	161 00	170 00
	Bath.....	34	7	20	100	206 00	215 00
	Bauer.....	40*	7	22	150	270 00	280 00
4 15/16	Bauman.....	22	5½	16	35	137 00	145 00
	Baumont.....	24	6	18	50	150 00	158 00
	Bayless.....	28	6	19	75	166 00	175 00
	Beadle.....	34	7	20	100	213 00	222 00
	Beckman.....	40*	7	22	150	282 00	292 00
5 7/16	Becktold.....	22	5½	16	35	143 00	151 00
	Beers.....	24	6	18	50	157 00	165 00
	Belding.....	28	6½	20	75	174 00	183 00
	Benedict.....	34	7	21	100	230 00	239 00
	Benjamin.....	40	7½	22	150	306 00	318 00
	Benton.....	48	8	24	200	354 00	371 00
5 15/16	Bergens.....	54*	8	26	250	434 00	454 00
	Berkshire.....	24	6	18	50	163 00	172 00
	Bethune.....	28	6½	20	75	184 00	193 00
	Riggers.....	34	7	21	100	264 00	273 00
	Bischoff.....	48	7½	22	150	324 00	334 00
	Blackmer.....	48	8	24	200	384 00	400 00
6 15/16	Blattner.....	54*	8	26	250	460 00	478 00
	Blelock.....	60	9	28	300	484 00	506 00
	Blessing.....	24	6	18	50	170 00	186 00
	Boardman.....	28	6½	20	75	198 00	214 00
	Boatman.....	34	7	21	100	306 00	322 00
	Boland.....	40	7½	22	150	358 00	374 00
6 15/16	Braddock.....	48	8	25	200	418 00	438 00
	Brawner.....	54	8	27	250	488 00	512 00
	Britton.....	60	9	29	300	510 00	540 00
	Brockman.....	60*	9	35	400	678 00	716 00

Medart Patent Wrought Rim Pulleys.

Whole, Split, or Tight and Loose.

WHOLE PULLEYS, SEE CUT No. 7. SPLIT PULLEYS, SEE CUT No. 9.
TIGHT AND LOOSE PULLEYS, SEE CUT No. 10.

These pulleys are from forty to sixty per cent lighter than cast iron pulleys, for same duty, whether for single, double or triple belt strains.

We guarantee them as to strength, balance, trueness and durability, and agree that should they give out when used with belt for which they are designed we will furnish pulleys to replace them free of charge.

The faces of our pulleys are made of sufficient width to carry belts of the nominal width of faces given in our lists.

Pulleys of intermediate diameters and faces furnished at proportionate prices.

All pulleys used for tighteners should be ordered "Double Belt" pulleys.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and all widths of face up to 50 inches, crowning or straight face, whole or split, and for single, double or triple-belt strains.

WHEN ORDERING

Give diameter, width of face, size of bore; state whether crowning or straight face, and whether for single, double or triple belt.

In the absence of instructions to the contrary, pulleys will be made whole, and unless otherwise specified single belt and crowning face, when not ordered straight face.

Each pulley is provided with two set screws without extra charge.

A moderate extra charge will be made for key-seats, extra set screws, babbitting and where bore is large in comparison with the size of pulley.

Prices of triple-belt pulleys furnished on application.

We are prepared to furnish pulleys covered with leather or rubber belting; also Wrought Rim Friction Pulleys.

TO FIND THE SIZE OF DRIVING PULLEY:

Multiply the diameter of the driven by the number of revolutions it shall make, and divide the product by the revolutions of the driver. The quotient will be the diameter of the driver. The diameter and revolutions of the driver being given, to find the diameter of the driven that shall make a given number of revolutions, multiply the diameter of the driver by its number of revolutions, and divide the product by the number of revolutions of the driven. The quotient will be the diameter of the driven.

TO FIND NUMBER OF REVOLUTIONS OF THE DRIVEN PULLEY:

Multiply the diameter of the driver by its number of revolutions, and divide by diameter of driven. The quotient will be the number of revolutions of the driven.

Liberal discount allowed for list prices.

Pulleys under 8 inches diameter will be furnished of cast iron.

CIPHER CODE.

MISCELLANEOUS.

Single Belt.....	Alabama.
Double Belt.....	Arizona.
Triple Belt.....	Arkansas.
Split Pulley.....	Colorado.
Tight-and-loose.....	Florida.
Crown Face.....	Georgia.
Straight Face.....	Idaho.
Loose Pulley, with Sleeve.....	Indiana.
Four Set Screws.....	Iowa.
What is price of.....	Kansas.

KEY-SEATS.

Key-seat, usual size.....	Tools.
" 1/2 in. wide.....	Calipers.
" 3/4 " ".....	Chucks.
" 1/2 " ".....	Drills.
" 3/4 " ".....	Files.
" 1 " ".....	Nippers.
" 1 1/2 " ".....	Pincers.
" 1 1/4 " ".....	Pliers.
" 1 1/2 " ".....	Shears.
" 1 1/2 " ".....	Sledges.

SIZE OF BORE.

In.	Cipher.	In.	Cipher.
1	Africa	23/8	France
1 1/8	America	27/16	Germany
1 3/16	Asia	21/2	Greenland
1 1/4	Austria	25/8	Guinea
1 3/8	Belgium	21 1/16	Hayti
1 7/16	Bengal	23/4	Hungary
1 1/2	Bohemia	27/8	India
1 5/8	Borneo	25 1/16	Ireland
1 11/16	Canada	3	Italy
1 3/4	Ceylon	33/16	Jamaica
1 7/8	Chili	37/16	Japan
1 15/16	China	31 1/16	Monaco
2	Cuba	315/16	Norway
2 1/8	Denmark	43/16	Persia
2 3/16	Ecuador	47/16	Russia
2 1/4	England	415/16	Sweden

SHIPPING DIRECTIONS.

Ship by Express.....	Express.
Ship by Rail.....	Freight.
Ship by River.....	River.

PRICE LIST OF WHOLE, SPLIT AND TIGHT AND LOOSE PULLEYS.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
8	3	Abner.....	\$2 85	\$3 10	12	6	Alanthus.....	\$4 10	\$4 90
	4	Abo.....	3 00	3 30		7	Albany.....	4 50	5 50
	5	Abrams.....	3 10	3 50		8	Albert.....	4 90	5 90
9	6	Absecon.....	3 30	3 80	13	9	Alburg.....	5 40	6 55
	7	Absher.....	3 60	4 25		10	Alburtis.....	6 00	7 25
	8	Abydel.....	4 00	4 75		11	Alcona.....	6 55	7 60
10	3	Acasto.....	2 95	3 30	14	12	Alexander.....	7 20	8 25
	4	Achilles.....	3 10	3 55		3	Alford.....	3 40	4 15
	5	Acker.....	3 30	3 75		4	Algiers.....	3 60	4 35
11	6	Acme.....	3 60	4 00	15	5	Algoma.....	4 00	4 80
	7	Acworth.....	3 85	4 75		6	Alhambra.....	4 40	5 20
	8	Ada.....	4 30	5 00		7	Alleghany.....	4 80	5 80
12	3	Adair.....	3 05	3 50	16	8	Allendale.....	5 25	6 20
	4	Adams.....	3 20	3 70		9	Alleyton.....	5 75	7 00
	5	Adaville.....	3 45	4 00		10	Alliance.....	6 35	7 70
13	6	Addie.....	3 75	4 35	17	11	Alwaden.....	6 85	7 95
	7	Addison.....	4 00	5 00		12	Almo.....	7 65	8 70
	8	Adell.....	4 50	5 40	18	3	Almond.....	3 55	4 35
14	9	Adgers.....	5 00	5 90		4	Almora.....	3 85	4 65
	10	Adobe.....	5 60	6 40		5	Alonzo.....	4 25	5 10
15	3	Adolphus.....	3 15	3 70	19	6	Alpena.....	4 75	5 60
	4	Adonis.....	3 30	3 90		7	Alpha.....	5 10	6 10
	5	Adrian.....	3 60	4 30	20	8	Alps.....	5 65	6 65
16	6	Ætna.....	3 95	4 70		9	Alstead.....	6 15	7 25
	7	Afton.....	4 35	5 30		10	Altamont.....	6 70	7 90
17	8	Agency.....	4 75	5 65	21	11	Althouse.....	7 30	8 40
	9	Agnew.....	5 25	6 25		12	Alton.....	7 90	9 10
	10	Ajax.....	5 80	6 80	22	14	Alvada.....	8 75	10 50
18	3	Akron.....	3 25	3 90		3	Alvord.....	3 70	4 50
	4	Alamo.....	3 40	4 10	23	4	Amascus.....	4 10	5 00
	5	Alander.....	3 75	4 50		5	Amador.....	4 60	5 50

Prices of triple-belt pulleys furnished on application.

In addition to prices listed we furnish pulleys of any diameter up to 12 feet; and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see above.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
15	6	Amanda.....	\$5 10	\$5 90	20	7	Athol.....	\$7 20	\$3 80
	7	Amargo.....	5 60	6 40		8	Atkins.....	7 90	9 30
	8	Amazon.....	5 95	6 95		9	Atlanta.....	8 60	10 20
	9	Amboy.....	6 50	7 55		10	Atoka.....	9 30	10 80
	10	Amedee.....	7 05	8 15		11	Attila.....	10 00	11 60
	11	Amelia.....	7 60	8 85		12	Atwater.....	10 70	12 40
	12	Ames.....	8 20	9 40		14	Atwood.....	12 40	14 10
	13	Amherst.....	9 25	11 00		16	Aubrey.....	14 10	15 90
	14	Ammon.....	3 80	4 70		18	Aucilla.....	15 90	21 00
	4	Amor.....	4 25	5 15		20	Audley.....	.....	25 00
16	5	Amos.....	4 75	5 70	21	3	Audubon.....	4 90	6 10
	6	Amsden.....	5 25	6 20		4	Augusta.....	5 60	6 85
	7	Anabel.....	5 75	6 80		5	Aurelia.....	6 10	7 40
	8	Anacoco.....	6 20	7 40		6	Austin.....	6 85	8 40
	9	Anderson.....	6 70	8 00		7	Autumn.....	7 60	9 15
	10	Andes.....	7 25	8 50		8	Avalon.....	8 40	9 85
	11	Andover.....	7 85	8 95		9	Avenue.....	9 10	10 75
	12	Andrews.....	8 45	9 75		10	Avery.....	9 85	11 50
	14	Andy.....	9 80	11 30		11	Avilla.....	10 65	12 50
	16	Angola.....	11 30	12 80		12	Avondale.....	11 50	13 20
17	3	Angus.....	4 00	4 95	22	14	Axford.....	13 20	14 90
	4	Anhalt.....	4 40	5 40		16	Axtel.....	14 90	16 90
	5	Anita.....	4 90	5 90		18	Aycock.....	16 90	22 90
	6	Anna.....	5 40	6 40		20	Ayers.....	.....	26 00
	7	Anness.....	5 90	6 95		3	Azalia.....	5 10	6 40
	8	Annette.....	6 40	7 50		4	Azusa.....	5 80	7 20
	9	Anoka.....	6 95	8 10		5	Babb.....	6 45	7 70
	10	Ansel.....	7 50	8 70		6	Babcock.....	7 20	8 80
	11	Anson.....	8 10	9 40		7	Baby.....	8 00	9 60
	12	Antelope.....	8 70	10 10		8	Bacchus.....	8 80	10 30
18	14	Anthony.....	10 10	11 60	23	9	Bachelor.....	9 60	11 40
	16	Ararat.....	11 60	13 25		10	Backbone.....	10 30	12 10
	3	Arbela.....	4 20	5 20		11	Bacon.....	11 20	13 30
	4	Arbroth.....	4 65	6 00		12	Baden.....	12 10	14 05
	5	Arbutus.....	5 15	6 55		14	Bagdad.....	14 05	15 60
	6	Arcata.....	5 90	7 10		16	Bagley.....	15 60	17 80
	7	Arcot.....	6 45	7 70		18	Bailey.....	17 80	23 40
	8	Ardmore.....	7 10	8 30		20	Baird.....	.....	27 00
	9	Aredale.....	7 70	9 00		3	Baldwin.....	5 35	6 65
	10	Argand.....	8 30	9 70		4	Balston.....	6 00	7 40
19	11	Argenta.....	9 00	10 45	24	5	Baltic.....	6 70	8 10
	12	Arnold.....	9 35	11 20		6	Banana.....	7 40	8 95
	14	Arnot.....	11 00	12 75		7	Bangor.....	8 15	9 95
	16	Aroma.....	12 75	14 15		8	Banker.....	8 95	10 65
	18	Arthur.....	14 25	17 20		9	Baptist.....	9 85	11 85
	3	Arvon.....	4 45	5 50		10	Baraboo.....	10 65	12 60
	4	Asbury.....	4 90	6 05		11	Barclay.....	11 60	14 00
	5	Ascalon.....	5 45	6 70		12	Bardwell.....	12 60	14 90
	6	Ashburn.....	6 20	7 35		14	Barley.....	14 90	17 00
	7	Ashcroft.....	6 75	7 95		16	Barlow.....	17 00	19 25
20	8	Ashford.....	7 35	8 60	25	18	Barnard.....	19 25	24 90
	9	Ashland.....	7 95	9 20		20	Barnes.....	.....	28 00
	10	Ashport.....	8 60	9 80		3	Barnett.....	5 60	6 95
	11	Ashton.....	9 25	10 60		4	Barnum.....	6 30	7 75
	12	Ashwood.....	9 85	11 40		5	Barren.....	7 00	8 50
	14	Askew.....	11 60	13 35		6	Barry.....	7 75	9 25
	16	Aspen.....	13 25	15 05		7	Barstow.....	8 50	10 40
	18	Atco.....	15 05	19 90		8	Bartlett.....	9 25	11 10
	3	Athel.....	4 65	5 80		9	Barton.....	10 15	12 50
	4	Athens.....	5 20	6 50		10	Bartram.....	11 10	13 20
20	5	Atherton.....	5 86	7 00	12	11	Bascom.....	12 10	14 90
	6	Athlone.....	6 50	7 90		12	Basic.....	13 20	15 75

Prices of triple-belt pulleys furnished on application.

In addition to prices listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
24	14	Bassett.....	\$15 75	\$18 00	28	7	Bonham.....	\$10 60	\$13 00
	16	Batavia.....	18 00	20 60		8	Bonita.....	11 70	14 10
	18	Batdorf.....	20 60	25 40		9	Bonus.....	12 90	15 95
	20	Bates.....		29 00		10	Boone.....	14 10	16 85
	22	Battery.....		35 40		11	Booth.....	15 45	18 65
	24	Battle.....		38 75		12	Bostick.....	16 85	19 55
	26	Baxter.....		42 50		14	Boston.....	19 55	23 00
	3	Bayou.....	5 90	7 40		16	Bourbon.....	23 00	26 90
	4	Bazaar.....	6 70	8 25		18	Bowen.....	26 90	32 00
	5	Beach.....	7 45	9 10	29	20	Bowman.....		35 00
25	6	Beards.....	8 25	10 00		22	Boycott.....		39 00
	7	Beckers.....	9 10	11 30		24	Boyd.....		44 00
	8	Bedford.....	10 00	11 90		26	Boynton.....		49 00
	9	Beebe.....	10 90	13 30		28	Bradburv.....		54 50
	10	Belair.....	11 90	14 00		30	Bradford.....		59 00
	11	Belfast.....	12 90	15 70		4	Bradley.....	8 10	10 00
	12	Belgrade.....	14 00	16 60		5	Brady.....	9 00	11 15
	14	Belmont.....	16 60	19 30		6	Brainard.....	10 00	12 45
	16	Beloit.....	19 30	22 10		7	Brake.....	11 15	14 10
	18	Bemis.....	22 10	26 10		8	Ramble.....	12 35	14 90
26	20	Bender.....		30 00		9	Branch.....	13 60	16 80
	22	Bennett.....		36 00		10	Brandt.....	14 90	17 70
	24	Benson.....		39 00		11	Brashear.....	16 30	19 45
	26	Berea.....		43 00		12	Bravo.....	17 70	20 55
	3	Berlin.....	6 30	7 75		14	Braxton.....	20 55	24 20
	4	Bermuda.....	7 00	8 65		16	Brazos.....	24 20	28 45
	5	Bernard.....	7 75	9 55		18	Breeze.....	28 45	35 00
	6	Bertha.....	8 65	10 60		20	Bremen.....		38 00
	7	Bessemmer.....	9 50	11 95		22	Bridgeton.....		42 90
	8	Bethany.....	10 60	12 60	30	24	Brier.....		47 00
27	9	Bethel.....	11 50	14 30		26	Briggs.....		52 00
	10	Beulah.....	12 60	15 20		28	Bristol.....		58 00
	11	Beverly.....	13 80	16 80		30	Broadland.....		63 00
	12	Bigelow.....	15 20	17 60		4	Broadway.....	8 60	10 55
	14	Bigfoot.....	17 60	20 80		5	Brockton.....	9 45	11 25
	16	Billings.....	20 80	24 10		6	Brodies.....	10 55	13 00
	18	Bismarck.....	24 10	27 80		7	Brolaski.....	11 75	14 85
	20	Bixby.....		31 50		8	Bromley.....	13 00	15 75
	22	Blackford.....		37 20		9	Broncho.....	14 30	17 70
	24	Blackman.....		40 00		10	Bronson.....	15 75	18 60
28	26	Blackstone.....		44 00		11	Brooklyn.....	17 15	20 25
	3	Blaine.....	6 75	8 25	31	12	Broome.....	18 60	21 50
	4	Blairs.....	7 30	9 05		14	Brown.....	21 50	25 40
	5	Blakely.....	8 15	10 10		16	Bruin.....	25 40	29 65
	6	Blalock.....	9 05	11 10		18	Brummel.....	30 00	38 00
	7	Blanco.....	10 00	12 55		20	Bruno.....		42 50
	8	Blandon.....	11 10	13 35		22	Brunswick.....		46 50
	9	Bliss.....	12 20	15 10		24	Brushy.....		51 00
	10	Block.....	13 35	15 90		26	Bryan.....		55 50
	11	Blood.....	14 60	17 70		28	Bryson.....		60 00
	12	Bloomer.....	15 90	18 60		30	Buchanan.....		65 00
28	14	Blount.....	18 60	22 10	31	4	Buckeye.....	9 00	11 00
	16	Blythe.....	22 10	25 50		5	Buckhorn.....	10 00	12 30
	18	Boaz.....	25 50	29 00		6	Buckners.....	11 00	13 70
	20	Bogard.....		33 00		7	Bucktown.....	12 25	15 60
	22	Boggs.....		38 00		8	Budan.....	13 70	16 50
	24	Bogue.....		42 00		9	Budd.....	15 10	18 50
28	26	Boise.....		48 00	31	10	Budge.....	16 50	19 50
	3	Boles.....	7 20	8 70		11	Buena.....	18 00	21 05
	4	Bolivar.....	7 70	9 50		12	Ruffalo.....	19 50	22 60
	5	Bolton.....	8 50	10 60		14	Buford.....	22 60	26 55
28	6	Bonanza.....	9 50	11 70	31	16	Bughall.....	26 55	30 90

Prices of triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double belt pulleys, see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
31	18	Bulkley.....	\$31 25	\$40 25	35	5	Chandler	\$12 10	\$15 05
	20	Bumpus		43 50		6	Chapman	13 50	16 60
	22	Buncombe.....		48 00		7	Charity.....	15 00	18 85
	24	Burbank		52 50		8	Charles.....	16 60	19 95
	26	Burden		57 00		9	Cha-e	18 25	22 30
	28	Burdick		62 00		10	Chatham	19 95	23 50
	30	Burgess		67 00		11	Cheek	21 75	24 50
	4	Burke	9 40	11 65		12	Cheraw	23 50	26 75
	5	Burnett.....	10 45	13 00		14	Cherokee	26 90	31 20
	6	Burnham.....	11 65	14 40		16	Cherry	31 20	35 75
32	7	Burnside	12 95	16 40	36	18	Chester.....	35 75	45 50
	8	Busbee	14 40	17 40		20	Chestnut		51 00
	9	Bushnell	15 90	19 50		22	Chicago.....		54 50
	10	Buskirk	17 40	20 55		24	Childs		60 00
	11	Butcher	19 00	22 05		26	Chilton		64 50
	12	Butler	20 55	23 70		28	Choctaw		70 00
	14	Butte	23 70	27 75		30	Choteau		75 50
	16	Buxton	27 75	32 25		4	Cicero.....	11 40	14 10
	18	Byron	32 50	41 50		5	Citrus.....	12 65	15 70
	20	Cabin		44 75		6	Clafin.....	14 10	17 35
33	22	Cabott.....		49 50	37	7	Clancey	15 70	19 70
	24	Caddo.....		55 50		8	Clara.....	17 35	20 85
	26	Cadmus		60 00		9	Clarence	19 10	23 25
	28	Cady		64 50		10	Clarkson	20 85	24 50
	30	Cahokia		69 50		11	Claxton	22 70	25 90
	4	Cairo	9 90	12 25		12	Claypool	24 50	28 10
	5	Calcutta	11 00	13 65		14	Clear	28 10	32 40
	6	Calhoun	12 25	15 05		16	Cleaver.....	32 40	37 00
	7	Calico	13 60	17 15		18	Cleburne	37 00	47 50
	8	Calpella	15 05	18 25		20	Cleghorn		52 50
34	9	Calumet.....	16 70	20 60	38	22	Clements		56 50
	10	Calvary	18 25	21 50		24	Cleveland		61 50
	11	Calvert.....	19 90	23 00		26	Clifford		66 00
	12	Calvin.....	21 50	24 80		28	Clifton		71 50
	14	Cambra	24 80	28 90		30	Climax		77 50
	16	Camden	28 90	33 40		4	Clipper.....	11 90	14 85
	18	Cameron	33 40	43 00		5	Clopton	13 30	16 35
	20	Campbell.....		46 50		6	Cloud	14 85	18 20
	22	Canby		51 50		7	Clover.....	16 80	20 65
	24	Canfield		57 50		8	Cluster.....	18 20	21 80
35	26	Canoe		62 00	39	9	Clyde.....	20 00	24 30
	28	Canton		66 50		10	Coakley	21 80	25 55
	30	Capon		71 50		11	Coates.....	23 70	27 00
	4	Carbon	10 40	12 90		12	Cobalt.....	25 55	29 30
	5	Carlisle	11 50	13 35		14	Cobden	29 30	33 45
	6	Carlow	12 90	15 85		16	Coburns.....	34 30	38 10
	7	Carlson.....	14 35	18 00		18	Cochran.....	38 60	48 25
	8	Carmel	15 85	19 10		20	Coleman		53 25
	9	Carney.....	17 55	21 35		22	Coleridge.....		57 75
	10	Carrier	19 10	22 50		24	Colfax		62 75
36	11	Carroll	20 85	23 75	40	26	Colgate		67 75
	12	Carter	22 50	25 90		28	College.....		73 75
	14	Carthage	25 90	30 00		30	Collier		79 50
	16	Cascade	30 00	34 50		4	Collins.....	12 55	15 60
	18	Caspar	34 50	44 00		5	Coloma	13 95	17 00
	20	Catalpa		49 00		6	Colton	15 60	19 05
	22	Catlin		53 50		7	Columbus	17 95	21 60
	24	Catoosa		59 00		8	Colvin.....	19 05	22 80
	26	Cecil		63 50		9	Colyer.....	20 90	25 40
	28	Celina		68 00		10	Comfort	22 80	26 65
37	30	Chalk		73 00	41	11	Commerce.....	24 75	28 25
	4	Chambers.....	10 90	13 50		12	Company.....	26 65	30 50

Prices of triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
38	14	Compton	\$30 50	\$34 50	41	30	Dallas.....	.....	\$93 75
	16	Conant	36 25	39 25		4	Dalton	\$14 90	18 60
	18	Concert	40 25	49 00		5	Damsel.....	16 70	20 10
	20	Coney .....	.....	54 00		6	Danbury	18 60	22 55
	22	Congo .....	.....	59 00		7	Daniel.....	20 55	25 30
	24	Conkling.....	64 00	.....		8	Danton.....	22 55	26 70
	26	Corner.....	69 50	.....		9	Darnall.....	24 60	29 50
	28	Conrad	76 00	.....		10	Darwin.....	26 70	31 00
	30	Conroy .....	.....	81 50		11	David	28 85	33 85
39	4	Converse	13 10	16 35	42	12	Dawes.....	31 00	35 30
	5	Cooke	14 60	17 45		14	Dawson	35 30	39 70
	6	Cooper	16 35	19 90		16	Dayton.....	39 70	44 20
	7	Coosa	18 40	22 50		18	Deane.....	44 20	60 00
	8	Cope	19 90	23 75		20	Decatur	49 00	64 50
	9	Copley	21 80	26 60		22	Defiance.....	54 00	70 50
	10	Copper	23 75	27 70		24	Delano	59 00	77 00
	11	Cora.....	25 75	29 55		26	Delwood .....	.....	84 50
	12	Corbett.....	27 70	31 70		28	Delmar .....	.....	88 00
	14	Corbin	31 70	35 35	43	30	Delton .....	.....	96 50
40	16	Cordova.....	36 75	40 35		4	Dennis	15 55	19 40
	18	Corey	40 85	50 75		5	Denver	17 45	20 70
	20	Corinne .....	.....	55 25		6	Deposit	19 40	23 50
	22	Corn .....	.....	60 35		7	Derby	21 45	26 30
	24	Cornell .....	.....	66 25		8	Detroit.....	23 50	27 75
	26	Cornish .....	.....	72 85		9	Dexter.....	25 60	30 70
	28	Cornwall .....	.....	79 75		10	Diamond	27 75	32 20
	30	Cortland .....	.....	86 25		11	Dickens	29 95	35 10
	4	Corydon.....	13 70	17 10		12	Dillard	32 20	36 60
	5	Cottage	15 30	17 95	44	14	Dillon.....	36 60	41 20
41	6	Cotton.....	17 10	20 80		16	Dinsmore.....	41 20	45 85
	7	Council.....	18 90	23 45		18	Dixie.....	45 85	62 00
	8	Country	20 80	24 75		20	Dixon	50 80	67 00
	9	Covello.....	22 75	27 80		22	Dobbins.....	56 00	73 50
	10	Covert.....	24 75	28 80		24	Dockery.....	61 15	80 25
	11	Coward	26 80	30 90		26	Doctor .....	.....	88 10
	12	Coyle.....	28 80	32 90		28	Dodson .....	.....	98 80
	14	Coyote	32 90	36 25		30	Dolores .....	.....	100 00
	16	Craig	37 25	41 50		4	Dora	16 25	20 25
	18	Crampton	41 50	52 50	45	5	Dorsey.....	18 20	21 35
42	20	Crandall.....	.....	56 50		6	Douglas.....	20 25	24 45
	22	Craven .....	.....	61 75		7	Downey	22 30	27 30
	24	Crawford .....	.....	68 50		8	Dozier	24 45	28 80
	26	Crawl .....	.....	76 25		9	Drakes	26 60	31 90
	28	Cream.....	.....	83 50		10	Dresden	28 80	33 40
	30	Crescent.....	.....	91 00		11	Drexel.....	31 10	36 40
	4	Creswell.....	14 30	17 85		12	Driscoll	33 40	37 90
	5	Crete	16 00	19 00		14	Drury	37 90	42 70
	6	Cripple	17 85	21 65		16	Dryden.....	42 70	47 55
	7	Crockett.....	19 70	24 35	46	18	Dublin.....	47 55	64 00
43	8	Cromwell.....	21 65	25 70		20	Dukes	52 60	69 50
	9	Crosby	25 65	28 65		22	Dunbar.....	58 00	76 50
	10	Cross	25 70	29 90		24	Duncan	63 30	83 50
	11	Crowell	27 80	32 35		26	Dundee.....	.....	91 75
	12	Crowleys	29 90	34 10		28	Dunlap .....	.....	99 75
	14	Crystal	34 10	38 00		30	Duplex.....	.....	104 00
	16	Culver.....	38 45	42 85		4	Dupont.....	17 10	21 00
	18	Cummings	42 85	56 25		5	Durango	19 10	22 70
	20	Curtice .....	.....	60 50		6	Durham	21 10	25 40
	22	Custer .....	.....	66 10	47	7	Dustin.....	23 15	28 35
44	24	Cyclone .....	.....	72 75		8	Dutton	25 20	29 85
	26	Cypress .....	.....	80 35		9	Duvall.....	27 60	33 00
	28	Dabney.....	.....	85 75		10	Dwight.....	29 90	34 60

Prices on triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
45	11	Dykes	\$32 30	\$37 70	50	26	Eunice .....	.....	\$101 00
	12	Eades	34 60	39 15		28	Eureka .....	.....	109 50
	14	Eagle	39 15	44 20		30	Evans .....	.....	118 75
	16	Earle	44 20	49 20		6	Evarts	\$26 00	30 50
	18	Easton	49 15	65 25		7	Everett	28 00	33 80
	20	Echo	54 40	72 00		8	Ewing	30 50	35 50
	22	Eckley	60 00	79 25		9	Excello	33 00	38 80
	24	Eclipse	65 65	86 50		10	Exeter	35 50	40 50
	26	Economy .....	.....	94 50		11	Fagans	38 00	44 20
	28	Eddy .....	.....	102 00		12	Fairfax	40 50	46 00
	30	Eden .....	.....	107 60		14	Fairmont	46 00	52 00
46	4	Edgar	18 00	21 85	52	16	Falcon	52 00	58 00
	5	Edgwood	20 00	24 10		18	Farmers	58 00	75 50
	6	Edina	22 00	26 35		20	Fayette	64 00	82 25
	7	Edison	24 00	29 45		22	Fedora	70 50	90 75
	8	Edith	26 00	30 95		24	Felix	77 00	99 50
	9	Edmond	28 60	34 20		26	Fellows .....	.....	108 50
	10	Edmore	31 00	35 80		28	Felton .....	.....	117 00
	11	Edna	33 40	39 00		30	Fergus .....	.....	126 50
	12	Edom	35 80	40 60		32	Ferrell .....	.....	132 00
	14	Edwards	40 60	45 70		34	Ferriss .....	.....	142 50
	16	Edwin	45 70	50 90		36	Ferry .....	.....	149 00
	18	Effner	50 90	66 50	54	6	Festus	28 00	33 00
47	20	Egan	56 30	74 50		7	Fidelity	30 50	36 30
	22	Eggs	62 00	82 00		8	Fields	33 00	38 00
	24	Eiler	68 00	89 50		9	Filley	36 00	41 55
	26	Eland .....	.....	97 25		10	Fillmore	38 00	43 25
	28	Elba .....	.....	104 50		11	Findlay	40 50	47 25
	30	Elder .....	.....	111 25		12	Fingal	43 25	49 25
	4	Eldorado	19 50	22 65		14	Fisher	49 25	55 25
	5	Eldred	21 25	25 00		16	Fleming	55 25	64 75
	6	Eleanora	23 00	27 30		18	Fletcher	61 75	79 50
	7	Elgin	25 00	30 50		20	Flint	68 00	88 50
	8	Eljah	27 10	32 00		22	Flora	74 75	96 75
	9	Eliza	29 60	35 30		24	Florence	81 75	104 50
48	10	Elk	32 00	36 90	56	26	Florida .....	.....	114 50
	11	Elkhart	34 55	40 15		28	Flowers .....	.....	122 75
	12	Ellen	36 90	41 80		30	Floyd .....	.....	132 00
	14	Elliott	41 80	47 10		32	Flynn .....	.....	141 50
	16	Ellis	47 10	52 50		34	Foley .....	.....	150 00
	18	Elmer	52 45	69 00		36	Folsom .....	.....	159 00
	20	Elmira	58 15	76 30		6	Forbes	30 00	35 00
	22	Elmo	64 00	84 25		7	Fordham	32 50	39 55
	24	Elroy	70 00	91 60		8	Foreman	35 00	40 25
	26	Elyria .....	.....	99 00		9	Forney	38 00	44 10
	28	Embry .....	.....	107 00		10	Forsythe	40 25	46 00
	30	Emery .....	.....	115 00		11	Forward	43 00	50 15
48	4	Emmet	21 00	23 50	56	12	Foster	46 00	52 25
	5	Endicott	22 50	25 90		14	Fowler	52 25	58 75
	6	Energy	24 00	28 25		16	Foxboro	58 75	71 50
	7	Enoch	26 00	31 55		18	Francis	65 50	84 25
	8	Eolian	28 25	33 15		20	Fraser	72 25	92 00
	9	Epworth	30 65	36 40		22	Frederick	80 00	102 00
	10	Erastus	33 00	38 00		24	Fredonia	86 50	111 50
	11	Ericson	35 70	41 30		26	Freeland .....	.....	120 50
	12	Erie	38 00	43 00		28	Freeport .....	.....	129 50
	14	Essex	43 00	48 50		30	Freemont .....	.....	139 50
	16	Estelle	48 50	54 00		32	French .....	.....	150 00
	18	Estes	54 00	71 50		34	Friars .....	.....	159 50
48	20	Eubanks	60 00	78 25		36	Friends .....	.....	168 50
	22	Euclid	66 00	86 50		6	Frozen	32 00	40 00
	24	Eugene	72 00	93 75		7	Fuller	34 50	44 00

Prices on triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
56	8	Fulton.....	\$37 00	\$46 00	62	18	Hanover	\$81 50	\$103 50
	9	Furnace	40 00	51 30		20	Hanson	91 00	114 25
	10	Gaines	43 00	54 00		22	Harbine	100 00	125 50
	11	Galena	45 50	59 35		24	Harbour	110 00	137 00
	12	Galt	48 75	62 25		26	Hardin .....	.....	149 50
	14	Ganges	55 40	69 00		28	Hargan .....	.....	160 75
	16	Garfield	62 30	79 50		30	Hargrave .....	.....	172 00
	18	Garland	69 50	88 00		32	Harlem .....	.....	182 50
	20	Garnet	77 00	98 50		34	Harlow .....	.....	194 50
	22	Garvey	85 00	108 50		36	Harman .....	.....	216 00
	24	Garwood	93 00	118 50	64	8	Harold	47 00	60 00
	26	Gaston .....	.....	128 50		9	Harper	50 00	64 00
	28	Gazette .....	.....	138 50		10	Harris	53 00	68 00
	30	Genesee .....	.....	148 50		11	Harrod	57 00	74 50
	32	Geneva .....	.....	159 50		12	Hartford	60 75	78 00
	34	Genoa .....	.....	169 50		14	Hartman	68 00	88 50
	36	Gentry .....	.....	179 50		16	Harvey	76 00	97 00
58	6	Georges	34 00	42 75		18	Harwood	86 00	108 50
	7	Gertie	36 50	46 75		20	Hastings	96 00	120 00
	8	Gibbs	39 00	48 75		22	Hatfield	105 00	132 00
	9	Gibson	42 00	54 90		24	Hatton	115 00	144 50
	10	Giddings	45 00	58 00		26	Hawthorne .....	.....	157 00
	11	Gifford	48 00	62 70		28	Heaton .....	.....	168 50
	12	Gilbert	52 00	65 00		30	Hebron .....	.....	179 50
	14	Giles	58 00	74 50		32	Hedrick .....	.....	191 00
	16	Gillett	65 00	83 50		34	Helena .....	.....	203 00
	18	Gilmore	73 50	93 50		36	Hemlock .....	.....	215 00
	20	Girard	83 00	103 75	66	8	Herbert	49 50	63 00
	22	Glades	91 00	114 25		9	Hercules	52 50	68 00
	24	Glasgow	99 00	124 75		10	Hermant	56 00	72 00
	26	Glencoe .....	.....	135 25		11	Herndon	60 00	78 00
	28	Glendale .....	.....	146 50		12	Hester	64 00	81 00
	30	Globe .....	.....	155 75		14	Hickman	72 00	90 00
	32	Glover .....	.....	166 50		16	Hickory	81 00	101 50
	34	Godfrey .....	.....	176 00		18	Hidalgo	90 00	112 00
	36	Goodell .....	.....	186 50		20	Higdon	100 00	124 50
60	6	Gordon	36 00	45 50		22	Higgins	110 00	137 50
	7	Gorham	38 50	50 00		24	Highland	120 00	149 50
	8	Goshen	41 00	53 00		26	Hilton .....	.....	163 00
	9	Goulds	44 00	58 00		28	Hobson .....	.....	178 00
	10	Gowen	47 00	60 50		30	Hoffman .....	.....	189 50
	11	Grafton	50 00	65 50		32	Hogan .....	.....	202 00
	12	Graham	55 00	68 00		34	Holbrook .....	.....	215 00
	14	Granger	62 00	78 00		36	Holliday .....	.....	227 00
	16	Granite	68 00	88 50	68	8	Hollow	52 00	66 00
	18	Gratiot	76 00	98 00		9	Holmes	55 50	70 00
	20	Gravel	86 50	109 50		10	Holt	59 00	75 00
	22	Greeley	95 00	120 00		11	Homer	63 00	82 00
	24	Gregory	104 00	131 00		12	Hooker	67 00	85 00
	26	Grenada .....	.....	142 00		14	Hopkins	75 50	94 50
	28	Grimes .....	.....	153 00		16	Horace	85 00	106 00
	30	Groton .....	.....	164 50		18	Horatio	94 50	118 00
	32	Grover .....	.....	176 00		20	Hornet	105 00	130 00
	34	Gypsy .....	.....	187 50		22	Horton	115 50	143 50
	36	Hager .....	.....	199 50		24	Houston	125 50	157 00
62	8	Halifax	44 00	57 00		26	Howard .....	.....	170 00
	9	Hallock	47 00	61 00		28	Hubbard .....	.....	183 00
	10	Hamburg	50 50	64 50		30	Hudson .....	.....	196 00
	11	Hamlet	54 00	70 50		32	Hughes .....	.....	210 00
	12	Hamlin	58 00	72 50		34	Humboldt .....	.....	225 00
	14	Hammond	65 00	82 50		36	Hunters .....	.....	240 00
	16	Hancock	73 00	92 75		70	8	Hurlev	54 50	69 00

Prices of triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
70	9	Huron.....	\$57 50	\$74 00	76	28	Lockport.....	\$217 00	
	10	Hurst.....	62 00	78 50		30	Locust.....	230 00	
	11	Huxley.....	66 25	84 25		32	Logan.....	248 00	
	12	Imogene.....	70 00	87 00		34	Lowell.....	262 00	
	14	Ingalls.....	78 50	97 00		36	Loyal.....	280 00	
	16	Inman.....	87 00	110 50	78	10	Lucas.....	\$76 50	96 00
	18	Ionia.....	97 00	122 00		11	Ludlow.....	82 00	100 00
	20	Ipavia.....	110 50	134 50		12	Lumber.....	88 00	108 00
	22	Irene.....	121 00	148 00		14	Lydia.....	97 00	119 50
	24	Ironton.....	131 00	163 00		16	Lyons.....	108 00	134 25
	26	Isabel.....		178 00		18	Mable.....	119 00	148 50
	28	Jackson.....		193 00		20	Macomb.....	132 00	163 00
	30	Jameson.....		208 00		22	Maddox.....	144 00	179 00
	32	Jarretts.....		233 00		24	Madison.....	157 00	196 00
	34	Jaya.....		238 00		26	Madrid.....		211 00
	36	Jerico.....		253 00		28	Magnolia.....		225 00
72	8	Jerome.....	57 50	72 00		30	Mahon.....		240 00
	9	Jersev.....	61 00	78 00		32	Malcolm.....		258 00
	10	Jewell.....	65 00	83 00		34	Malvern.....		272 00
	11	Johnson.....	69 00	89 00		36	Mango.....		290 00
	12	Joliet.....	74 00	94 00	80	10	Manilla.....	80 00	100 00
	14	Jones.....	83 00	105 00		11	Marble.....	85 50	105 00
	16	Jordan.....	93 00	116 50		12	Marcus.....	91 50	112 50
	18	Judson.....	103 00	129 00		14	Mason.....	102 50	124 50
	20	Jumbo.....	115 00	144 50		16	Mattoon.....	113 50	139 00
	22	Jupiter.....	127 00	159 00		18	Maumee.....	124 50	153 50
	24	Karney.....	140 00	173 00		20	Maxwell.....	137 50	169 00
	26	Keene.....		187 50		22	Mayfield.....	149 50	186 00
	28	Keller.....		202 00		24	Meadow.....	162 50	203 00
	30	Kellogg.....		214 00		26	Medora.....		218 00
	32	Kendall.....		229 50		28	Memphis.....		234 00
	34	Kenton.....		243 50		30	Nancy.....		250 00
	36	Keokuk.....		260 00		32	Nanson.....		267 00
74	8	Ketchum.....	60 50	75 00		34	Naomi.....		283 00
	9	Knapp.....	64 00	81 00	82	36	Naples.....		302 00
	10	Knight.....	68 00	87 00		10	Narcott.....	83 50	104 00
	11	Knob.....	73 00	92 00		11	Narrows.....	89 00	110 00
	12	Lafin.....	77 00	98 00		12	Nasby.....	94 50	117 00
	14	Lambert.....	86 00	109 00		14	Nashua.....	106 00	129 50
	16	Lamont.....	96 00	122 00		16	Nebo.....	118 00	144 00
	18	Larimer.....	106 00	135 00		18	Needmore.....	130 00	160 50
	20	Larue.....	118 00	150 00		20	Nekoma.....	144 00	176 00
	22	Latham.....	130 00	165 00		22	Nelson.....	157 00	194 00
	24	Lawson.....	145 00	180 00		24	Neosho.....	169 00	211 00
	26	Lebanon.....		195 00		26	Neptune.....		227 00
	28	Leeds.....		209 00		28	Nestor.....		244 00
	30	Leeman.....		222 50		30	Newark.....		260 00
	32	Leewood.....		238 00		32	Newcomb.....		277 00
	34	Legion.....		252 00		34	Newport.....		294 00
	36	Lehigh.....		270 00	84	36	Newton.....		314 00
76	8	Leland.....	64 00	78 50		10	Niagara.....	87 00	108 00
	9	Lemars.....	67 50	84 50		11	Nichols.....	93 00	115 00
	10	Lennox.....	71 50	90 00		12	Nickell.....	98 00	122 50
	11	Leonard.....	77 00	96 00		14	Noland.....	110 00	135 00
	12	Leroy.....	82 00	103 00		16	Norfolk.....	122 50	149 00
	14	Lester.....	91 00	114 00		18	Norris.....	135 00	168 50
	16	Lewis.....	102 00	128 00		20	Northern.....	150 00	185 00
	18	Limerick.....	112 00	141 00		22	Norwich.....	163 00	202 00
	20	Lincoln.....	124 00	156 00		24	Nutwood.....	176 00	219 00
	22	Lindsay.....	136 00	172 00		26	Oakes.....		237 00
	24	Lisbon.....	151 00	187 00		28	Obear.....		254 00
	26	Lobster.....		203 00		30	Ocean.....		271 00

Prices of triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single or double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
84	32	Odell		\$288 00	90	36	Powell		\$362 00
	34	Odessa		306 00		10	Pratt	\$115 00	125 00
	36	Ogden		327 00		11	Preston	119 00	133 00
	86	10 Olmsted	\$94 00	112 00		12	Prince	123 00	142 00
		11 Olney	100 00	119 00		14	Prospect	135 00	159 00
	12	Oneida	105 00	127 00		16	Pulaski	146 00	176 00
	14	Ophir	117 00	141 00		18	Purcell	159 00	196 00
	16	Oregon	129 60	156 00		20	Putnam	179 00	216 00
	18	Orlando	142 00	175 00		22	Quebec	199 00	236 00
	20	Osage	157 00	193 00		24	Quimby	222 00	255 00
	22	Osborne	172 00	210 00	94	26	Racine		271 00
	24	Osgood	188 00	228 00		28	Raleigh		290 00
	26	Oswego		244 00		30	Ralston		310 00
	28	Ottawa		263 00		32	Randall		333 00
	30	Otter		281 00		34	Rathburn		354 00
	32	Oxford		299 00		36	Rawlins		374 00
	34	Ozone		318 00		10	Raymond	120 00	130 00
	88	36 Pacific		338 00		11	Redfield	124 00	138 00
		10 Paducah	101 00	116 00		12	Rembert	130 00	147 00
	11	Palatka	108 00	124 00		14	Renfrow	140 00	164 00
	12	Palmers	113 00	132 00		16	Renow	151 00	181 00
	14	Pampa	125 00	147 00		18	Reuben	164 00	203 00
	16	Pandora	137 50	163 00		20	Rhodes	185 00	222 00
	18	Panther	150 00	182 00		22	Rialto	204 00	243 00
	20	Paragon	165 00	201 00		24	Richards	229 00	262 00
	22	Parnell	182 00	220 00		26	Richmond		280 00
	24	Pauline	200 00	238 00		28	Riley		300 00
	26	Pawnee		254 00		30	Rippon		320 00
	28	Paxton		272 00		32	Roanoke		344 00
	30	Peanut		291 00		34	Robbins		367 00
	32	Pedro		310 00	96	36	Roberts		387 00
	34	Pekin		330 00		10	Rockford	126 00	134 00
	36	Penelope		350 00		11	Rodman	131 00	143 00
	90	10 Peoria	110 00	121 00		12	Rodney	137 00	153 00
		11 Perkins	114 00	129 00		14	Rogers	146 00	170 00
	12	Peru	118 00	138 00		16	Roland	158 00	188 00
	14	Peters	130 00	154 00		18	Rollins	170 00	210 00
	16	Phelps	141 00	170 00		20	Rome	192 00	228 00
	18	Phoenix	154 00	190 00		22	Roscoe	212 00	250 00
	20	Pierce	174 00	210 00		24	Roswell	237 00	270 00
	22	Plover	192 00	230 00		26	Rowen		290 00
	24	Polands	215 00	248 00		28	Roxbury		310 00
	26	Pomona		260 00		30	Rumsey		330 00
	28	Poncho		282 00		32	Russell		355 00
	30	Popes		302 00		34	Sabula		380 00
	32	Portage		322 00		36	Salem		400 00
	34	Potomac		342 00					

Prices of triple-belt pulleys furnished on application.

In addition to sizes listed we furnish pulleys of any diameter up to 12 feet, and any face up to 50 inches. For cipher bores, single and double-belt pulleys, etc., see page 12.

Pulleys of intermediate sizes at proportionate prices.

CONE PULLEYS.

SEE OUT No. 11.

FOR DESCRIPTION SEE PAGE 44.

These prices are for single pulleys. In figuring price on Cone complete, add together the prices of the various pulleys composing the Cone.

Pulleys under 8 inches diameter will be furnished of cast iron.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
4	2	Sampson	\$2 70	\$3 10	10	4	Strong	\$4 00	\$4 45
	2½	Sanborn	2 75	3 15		4½	Strum	4 10	4 65
	3	Sanders	2 85	3 25		5	Stubbs	4 30	4 75
5	2	Sandoval	2 90	3 35		5½	Sublett	4 50	4 95
	2½	Sanford	2 95	3 40		6	Success	4 70	5 10
	3	Saratoga	3 05	3 50		6½	Sudley	3 80	4 30
	3½	Scranton	3 10	3 55	11	2½	Suffolk	3 90	4 40
	4	Scudder	3 20	3 65		3	Sugar	3 95	4 50
6	2	Sedgwick	3 25	3 75		3½	Sumac	4 00	4 60
	2½	Selkirk	3 30	3 80		4	Summers	4 10	4 70
	3	Selma	3 35	3 85		4½	Summitt	4 30	4 90
	3½	Seneca	3 45	3 90		5	Sumpter	4 50	5 10
	4	Seward	3 55	4 00		5½	Sunset	4 70	5 30
	4½	Shannon	3 65	4 10		6	Surbon	4 95	5 50
	5	Shelby	3 70	4 25	12	2	Surf	3 90	4 50
	5½	Shiloh	3 80	4 40		2½	Surrey	4 00	4 60
	6	Simmons	3 90	4 50		3	Susan	4 05	4 70
7	2	Simpkins	3 30	3 80		3½	Sutter	4 10	4 80
	2½	Sligo	3 40	3 85		4	Sutton	4 25	4 90
	3	Sloans	3 45	3 90		4½	Swain	4 45	5 10
	3½	Solomon	3 55	4 00		5	Swales	4 70	5 35
	4	Sonora	3 65	4 10		5½	Swamp	4 85	5 50
	4½	Sparta	3 70	4 20		6	Swans	5 10	5 75
	5	Spencer	3 80	4 30	13	2½	Swanton	4 15	4 85
	5½	Stanton	3 90	4 50		3	Swarts	4 25	5 00
	6	Stella	4 00	4 60		3½	Sweet	4 35	5 10
8	2	Sterling	3 40	3 85		4	Swift	4 50	5 20
	2½	Stewart	3 50	3 90		4½	Swine	4 75	5 40
	3	Stiles	3 55	4 00		5	Switch	5 00	5 65
	3½	Stillmore	3 65	4 10		5½	Switzer	5 25	5 85
	4	Stillwell	3 75	4 20		6	Sylva	5 50	6 05
	4½	Stilton	3 80	4 30	14	2½	Tabor	4 35	5 10
	5	Stiltss	3 90	4 40		3	Tacoma	4 45	5 25
	5½	Stinson	4 00	4 60		3½	Tadmor	4 55	5 40
	6	Stocking	4 10	4 70		4	Tadpole	4 80	5 55
9	2	Stocks	3 55	3 90		4½	Tafts	5 05	5 70
	2½	Stockton	3 65	4 00		5	Taggart	5 30	5 90
	3	Stokley	3 70	4 10		5½	Taintor	5 60	6 15
	3½	Stone	3 75	4 20		6	Talbot	5 95	6 40
	4	Storage	3 90	4 35	15	2½	Talcott	4 50	5 30
	4½	Stovall	4 00	4 45		3	Tallman	4 60	5 45
	5	Strand	4 10	4 55		3½	Tally	4 85	5 60
	5½	Stranger	4 30	4 70		4	Talmadge	5 10	5 80
	6	Stratford	4 50	4 80		4½	Tampa	5 40	6 05
10	2	Stratton	3 65	4 05		5	Tampico	5 75	6 30
	2½	Strawn	3 75	4 15		5½	Tanbark	6 05	6 50
	3	Streator	3 80	4 25		6	Tarbore	6 35	6 70
	3½	Stribling	3 90	4 35	16	2½	Tariff	4 60	5 50

CONE PULLEYS.

Diameter.	Face.	CIPHER.	PRICE.		Diameter.	Face.	CIPHER.	PRICE.	
			Single Belt.	Double Belt.				Single Belt.	Double Belt.
16	3	Taswell	\$4 75	\$5 65	20	4½	Towers.....	\$6 85	\$7 90
	3½	Taunton.....	5 00	5 85		5	Townsend.....	7 25	8 15
	4	Tavern.....	5 30	6 10		5½	Tracy.....	7 70	8 60
	4½	Taylor.....	5 60	6 35		6	Trader.....	8 10	9 05
	5	Tecumseh.....	5 95	6 60	21	3	Transit	6 10	7 30
	5½	Temple.....	6 25	6 90		3½	Trapp	6 55	7 65
17	6	Tennis.....	6 55	7 15		4	Tredway.....	7 00	8 00
	2½	Terrace	4 85	5 80		4½	Trenton.....	7 30	8 30
	3	Textile.....	5 00	5 95		5	Trigg	7 60	8 60
	3½	Thatcher.....	5 25	6 20		5½	Trinity.....	8 05	9 10
	4	Thayer.....	5 50	6 40		6	Triumph.....	8 55	9 60
	4½	Thistle.....	5 80	6 65	22	3	Trotter.....	6 35	7 65
18	5	Thomas.....	6 10	6 90		3½	Trout.....	6 75	8 05
	5½	Thornton.....	6 45	7 25		4	Troy	7 25	8 45
	6	Thrall.....	6 75	7 60		4½	Tubbs.....	7 60	8 70
	2½	Thrift.....	5 00	6 10		5	Tucker.....	8 05	8 95
	3	Thurman.....	5 25	6 25		5½	Tulip.....	8 50	9 50
	3½	Tibbetts.....	5 50	6 65	23	6	Tunnel.....	9 00	10 05
19	4	Tidal.....	5 80	6 80		3	Turner.....	6 70	8 00
	4½	Tiffany.....	6 10	7 05		3½	Turtle.....	7 05	8 35
	5	Tiger.....	6 40	7 35		4	Tweed.....	7 50	8 75
	5½	Tilden.....	6 80	7 65		4½	Twins.....	7 95	9 10
	6	Tilton.....	7 35	8 05		5	Udell.....	8 40	9 45
	3	Timothy.....	5 55	6 60	24	5½	Ulman.....	8 80	9 85
20	3½	Tipton.....	5 80	6 95		6	Ulster.....	9 25	10 30
	4	Titcomb.....	6 10	7 15		3	Ulysses.....	7 00	8 35
	4½	Tivoli.....	6 40	7 45		3½	Uncas.....	7 45	8 75
	5	Tobias.....	6 80	7 75		4	Uncle.....	7 85	9 15
	5½	Todd.....	7 25	8 10		4½	Undine.....	8 30	9 50
	6	Tompkins.....	7 75	8 50		5	Unicorn.....	8 75	9 90
20	3	Topaz.....	5 80	6 95		5½	Union.....	9 20	10 25
	3½	Tornado.....	6 10	7 30		6	Unity.....	9 70	10 65
	4	Toronto.....	6 50	7 65					

SLEEVES FOR LOOSE PULLEYS.

SEE CUT NO. 10.

DESCRIPTION ON PAGE 43.

Bore, Inches.....	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16
Cipher.....	Decker \$1 25	Deckman 1 50	Degraw 1 60	Deibel 1 70	.....	.....	.....	.....
Length, Inches... 5	Delos \$1 60	Dennler 1 85	Denison 2 00	Denton 2 20	Desmond 2 75	.....	.....	.....
" " 6	Dettmar \$1 90	Devine 2 10	Devlin 2 35	Devoiy 2 60	Dickson 3 10	.....	.....	.....
" " 7	Dollard \$2 20	Donnell 2 45	Donovan 2 50	Dorrance 2 95	Dover 3 60	Dowling 4 30	Drew 5 10	Drummond 5 60
" " 8	Duckwell \$2 50	Dudley 2 75	Duffer 3 05	Dugger 3 50	Dumas 4 00	Dunham 4 90	Dunley 5 90	Duquoin 6 25
" " 9	Durand \$2 75	Durgan 3 10	.....	Duross 3 90	Dwyer 4 45	Eaton 5 40	Eggers 6 40	Elleard 7 00
" " 10	.....	.....	.....	Ellison \$4 25	Elwood 5 30	Emanuel 6 50	Emmons 7 60	Empire 8 40
" " 12	.....	.....	.....	.....	.....	Esher \$7 75	Ettinger 9 00	Everson 10 00
" " 14	.....	.....	.....	.....	.....	.....	.....	Fairbank 11 00
" " 16	.....	.....	.....	.....	.....	.....	.....	Farnham 12 50
" " 18	.....	.....	.....	.....	.....	.....	.....	.....

We furnish sleeves two inches longer than face of pulley unless otherwise ordered. Outside diameter is $\frac{3}{8}$ -inch larger than bore.
 or price on split sleeves add 20 per cent. to lists above mentioned.
 The above mentioned prices are to be added to list prices of pulleys, subject to same discount as whole pulleys.

FLANGE PULLEYS.

SEE CUT NO. 12.

DESCRIPTION ON PAGE 44.

Diameter, Inches....	4 to 5	6 to 8	9 to 10	11 to 12	13 to 16	17 to 20	21 to 24	25 to 28	29 to 32	33 to 36	37 to 40	41 to 44	45 to 48
Height of Flange, In..	%	%	%	%	%	%	%	%	%	%	1	1	1
Cipher	Beguile	Behavior	Behest	Behabor	Belfry	Bellman	Bemoan	Cabinet	Caboose	Cadet	Caldron	Callous	Calumny
Price for Each Flange..	\$0 95	1 40	3 20	3 85	4 25	4 75	5 20	5 85	6 35	6 80	8 00	9 00	10 75

Above prices to be added to prices of plain pulleys and apply to flanges in center or on edge of pulley.

COVERED PULLEYS.—We are prepared to cover the face of Pulleys with Leather or Rubber Belting.

SHAFTING.

STEEL OR IRON. TURNED, COLD-ROLLED AND POLISHED.

DESCRIPTION ON PAGE 44.

Diameter	13/16	1 1/16	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	6 3/4	7	7 1/4	7 1/2	7 3/4	8	8 1/4	8 1/2	8 3/4	9	9 1/4	9 1/2	9 3/4	10	10 1/4	10 1/2	10 3/4	11	11 1/4	11 1/2	11 3/4	12	12 1/4	12 1/2	12 3/4	13	13 1/4	13 1/2	13 3/4	14	14 1/4	14 1/2	14 3/4	15	15 1/4	15 1/2	15 3/4	16	16 1/4	16 1/2	16 3/4	17	17 1/4	17 1/2	17 3/4	18	18 1/4	18 1/2	18 3/4	19	19 1/4	19 1/2	19 3/4	20	20 1/4	20 1/2	20 3/4	21	21 1/4	21 1/2	21 3/4	22	22 1/4	22 1/2	22 3/4	23	23 1/4	23 1/2	23 3/4	24	24 1/4	24 1/2	24 3/4	25	25 1/4	25 1/2	25 3/4	26	26 1/4	26 1/2	26 3/4	27	27 1/4	27 1/2	27 3/4	28	28 1/4	28 1/2	28 3/4	29	29 1/4	29 1/2	29 3/4	30	30 1/4	30 1/2	30 3/4	31	31 1/4	31 1/2	31 3/4	32	32 1/4	32 1/2	32 3/4	33	33 1/4	33 1/2	33 3/4	34	34 1/4	34 1/2	34 3/4	35	35 1/4	35 1/2	35 3/4	36	36 1/4	36 1/2	36 3/4	37	37 1/4	37 1/2	37 3/4	38	38 1/4	38 1/2	38 3/4	39	39 1/4	39 1/2	39 3/4	40	40 1/4	40 1/2	40 3/4	41	41 1/4	41 1/2	41 3/4	42	42 1/4	42 1/2	42 3/4	43	43 1/4	43 1/2	43 3/4	44	44 1/4	44 1/2	44 3/4	45	45 1/4	45 1/2	45 3/4	46	46 1/4	46 1/2	46 3/4	47	47 1/4	47 1/2	47 3/4	48	48 1/4	48 1/2	48 3/4	49	49 1/4	49 1/2	49 3/4	50	50 1/4	50 1/2	50 3/4	51	51 1/4	51 1/2	51 3/4	52	52 1/4	52 1/2	52 3/4	53	53 1/4	53 1/2	53 3/4	54	54 1/4	54 1/2	54 3/4	55	55 1/4	55 1/2	55 3/4	56	56 1/4	56 1/2	56 3/4	57	57 1/4	57 1/2	57 3/4	58	58 1/4	58 1/2	58 3/4	59	59 1/4	59 1/2	59 3/4	60	60 1/4	60 1/2	60 3/4	61	61 1/4	61 1/2	61 3/4	62	62 1/4	62 1/2	62 3/4	63	63 1/4	63 1/2	63 3/4	64	64 1/4	64 1/2	64 3/4	65	65 1/4	65 1/2	65 3/4	66	66 1/4	66 1/2	66 3/4	67	67 1/4	67 1/2	67 3/4	68	68 1/4	68 1/2	68 3/4	69	69 1/4	69 1/2	69 3/4	70	70 1/4	70 1/2	70 3/4	71	71 1/4	71 1/2	71 3/4	72	72 1/4	72 1/2	72 3/4	73	73 1/4	73 1/2	73 3/4	74	74 1/4	74 1/2	74 3/4	75	75 1/4	75 1/2	75 3/4	76	76 1/4	76 1/2	76 3/4	77	77 1/4	77 1/2	77 3/4	78	78 1/4	78 1/2	78 3/4	79	79 1/4	79 1/2	79 3/4	80	80 1/4	80 1/2	80 3/4	81	81 1/4	81 1/2	81 3/4	82	82 1/4	82 1/2	82 3/4	83	83 1/4	83 1/2	83 3/4	84	84 1/4	84 1/2	84 3/4	85	85 1/4	85 1/2	85 3/4	86	86 1/4	86 1/2	86 3/4	87	87 1/4	87 1/2	87 3/4	88	88 1/4	88 1/2	88 3/4	89	89 1/4	89 1/2	89 3/4	90	90 1/4	90 1/2	90 3/4	91	91 1/4	91 1/2	91 3/4	92	92 1/4	92 1/2	92 3/4	93	93 1/4	93 1/2	93 3/4	94	94 1/4	94 1/2	94 3/4	95	95 1/4	95 1/2	95 3/4	96	96 1/4	96 1/2	96 3/4	97	97 1/4	97 1/2	97 3/4	98	98 1/4	98 1/2	98 3/4	99	99 1/4	99 1/2	99 3/4	100	100 1/4	100 1/2	100 3/4	101	101 1/4	101 1/2	101 3/4	102	102 1/4	102 1/2	102 3/4	103	103 1/4	103 1/2	103 3/4	104	104 1/4	104 1/2	104 3/4	105	105 1/4	105 1/2	105 3/4	106	106 1/4	106 1/2	106 3/4	107	107 1/4	107 1/2	107 3/4	108	108 1/4	108 1/2	108 3/4	109	109 1/4	109 1/2	109 3/4	110	110 1/4	110 1/2	110 3/4	111	111 1/4	111 1/2	111 3/4	112	112 1/4	112 1/2	112 3/4	113	113 1/4	113 1/2	113 3/4	114	114 1/4	114 1/2	114 3/4	115	115 1/4	115 1/2	115 3/4	116	116 1/4	116 1/2	116 3/4	117	117 1/4	117 1/2	117 3/4	118	118 1/4	118 1/2	118 3/4	119	119 1/4	119 1/2	119 3/4	120	120 1/4	120 1/2	120 3/4	121	121 1/4	121 1/2	121 3/4	122	122 1/4	122 1/2	122 3/4	123	123 1/4	123 1/2	123 3/4	124	124 1/4	124 1/2	124 3/4	125	125 1/4	125 1/2	125 3/4	126	126 1/4	126 1/2	126 3/4	127	127 1/4	127 1/2	127 3/4	128	128 1/4	128 1/2	128 3/4	129	129 1/4	129 1/2	129 3/4	130	130 1/4	130 1/2	130 3/4	131	131 1/4	131 1/2	131 3/4	132	132 1/4	132 1/2	132 3/4	133	133 1/4	133 1/2	133 3/4	134	134 1/4	134 1/2	134 3/4	135	135 1/4	135 1/2	135 3/4	136	136 1/4	136 1/2	136 3/4	137	137 1/4	137 1/2	137 3/4	138	138 1/4	138 1/2	138 3/4	139	139 1/4	139 1/2	139 3/4	140	140 1/4	140 1/2	140 3/4	141	141 1/4	141 1/2	141 3/4	142	142 1/4	142 1/2	142 3/4	143	143 1/4	143 1/2	143 3/4	144	144 1/4	144 1/2	144 3/4	145	145 1/4	145 1/2	145 3/4	146	146 1/4	146 1/2	146 3/4	147	147 1/4	147 1/2	147 3/4	148	148 1/4	148 1/2	148 3/4	149	149 1/4	149 1/2	149 3/4	150	150 1/4	150 1/2	150 3/4	151	151 1/4	151 1/2	151 3/4	152	152 1/4	152 1/2	152 3/4	153	153 1/4	153 1/2	153 3/4	154	154 1/4	154 1/2	154 3/4	155	155 1/4	155 1/2	155 3/4	156	156 1/4	156 1/2	156 3/4	157	157 1/4	157 1/2	157 3/4	158	158 1/4	158 1/2	158 3/4	159	159 1/4	159 1/2	159 3/4	160	160 1/4	160 1/2	160 3/4	161	161 1/4	161 1/2	161 3/4	162	162 1/4	162 1/2	162 3/4	163	163 1/4	163 1/2	163 3/4	164	164 1/4	164 1/2	164 3/4	165	165 1/4	165 1/2	165 3/4	166	166 1/4	166 1/2	166 3/4	167	167 1/4	167 1/2	167 3/4	168	168 1/4	168 1/2	168 3/4	169	169 1/4	169 1/2	169 3/4	170	170 1/4	170 1/2	170 3/4	171	171 1/4	171 1/2	171 3/4	172	172 1/4	172 1/2	172 3/4	173	173 1/4	173 1/2	173 3/4	174	174 1/4	174 1/2	174 3/4	175	175 1/4	175 1/2	175 3/4	176	176 1/4	176 1/2	176 3/4	177	177 1/4	177 1/2	177 3/4	178	178 1/4	178 1/2	178 3/4	179	179 1/4	179 1/2	179 3/4	180	180 1/4	180 1/2	180 3/4	181	181 1/4	181 1/2	181 3/4	182	182 1/4	182 1/2	182 3/4	183	183 1/4	183 1/2	183 3/4	184	184 1/4	184 1/2	184 3/4	185	185 1/4	185 1/2	185 3/4	186	186 1/4	186 1/2	186 3/4	187	187 1/4	187 1/2	187 3/4	188	188 1/4	188 1/2	188 3/4	189	189 1/4	189 1/2	189 3/4	190	190 1/4	190 1/2	190 3/4	191	191 1/4	191 1/2	191 3/4	192	192 1/4	192 1/2	192 3/4	193	193 1/4	193 1/2	193 3/4	194	194 1/4	194 1/2	194 3/4	195	195 1/4	195 1/2	195 3/4	196	196 1/4	196 1/2	196 3/4	197	197 1/4	197 1/2	197 3/4	198	198 1/4	198 1/2	198 3/4	199	199 1/4	199 1/2	199 3/4	200	200 1/4	200 1/2	200 3/4	201	201 1/4	201 1/2	201 3/4	202	202 1/4	202 1/2	202 3/4	203	203 1/4	203 1/2	203 3/4	204	204 1/4	204 1/2	204 3/4	205	205 1/4	205 1/2	205 3/4	206	206 1/4	206 1/2	206 3/4	207	207 1/4	207 1/2	207 3/4	208	208 1/4	208 1/2	208 3/4	209	209 1/4	209 1/2	209 3/4	210	210 1/4	210 1/2	210 3/4	211	211 1/4	211 1/2	211 3/4	212	212 1/4	212 1/2	212 3/4	213	213 1/4	213 1/2	213 3/4	214	214 1/4	214 1/2	214 3/4	215	215 1/4	215 1/2	215 3/4	216	216 1/4	216 1/2	216 3/4	217	217 1/4	217 1/2	217 3/4	218	218 1/4	218 1/2	218 3/4	219	219 1/4	219 1/2	219 3/4	220	220 1/4	220 1/2	220 3/4	221	221 1/4	221 1/2	221 3/4	222	222 1/4	222 1/2	222 3/4	223	223 1/4	223 1/2	223 3/4	224	224 1/4	224 1/2	224 3/4	225	225 1/4	225 1/2	225 3/4	226	226 1/4	226 1/2	226 3/4	227	227 1/4	227 1/2	227 3/4	228	228 1/4	228 1/2	228 3/4	229	229 1/4	229 1/2	229 3/4	230	230 1/4	230 1/2	230 3/4	231	231 1/4	231 1/2	231 3/4	232	232 1/4	232 1/2	232 3/4	233	233 1/4	233 1/2	233 3/4	234	234 1/4	234 1/2	234 3/4	235	235 1/4	235 1/2	235 3/4	236	236 1/4	236 1/2	236 3/4	237	237 1/4	237 1/2	237 3/4	238	238 1/4	238 1/2	238 3/4	239	239 1/4	239 1/2	239 3/4	240	240 1/4	240 1/2	240 3/4	241	241 1/4	241 1/2	241 3/4	242	242 1/4	242 1/2	242 3/4	243	243 1/4	243 1/2	243 3/4	244	244 1/4	244 1/2	244 3/4	245	245 1/4	245 1/2	245 3/4	246	246 1/4	246 1/2	246 3/4	247	247 1/4	247 1/2	247 3/4	248	248 1/4	248 1/2	248 3/4	249	249 1/4	249 1/2	249 3/4	250	250 1/4	250 1/2	250 3/4	251	251 1/4	251 1/2	251 3/4	252	252 1/4	252 1/2	252 3/4	253	253 1/4	253 1/2	253 3/4	254	254 1/4	254 1/2	254 3/4	255	255 1/4	255 1/2	255 3/4	256	256 1/4	256 1/2	256 3/4	257	257 1/4	257 1/2	257 3/4	258	258 1/4	258 1/2	258 3/4	259	259 1/4	259 1/2	259 3/4	260	260 1/4	260 1/2	260 3/4	261	261 1/4	261 1/2	261 3/4	262	262 1/4	262 1/2	262 3/4	263	263 1/4	263 1/2	263 3/4	264	264 1/4	264 1/2	264 3/4	265	265 1/4	265 1/2	265 3/4	266	266 1/4	266 1/2	266 3/4	267	267 1/4	267 1/2	267 3/4	268	268 1/4	268 1/2	268 3/4	269	269 1/4	269 1/2	269 3/4	270	270 1/4	270 1/2	270 3/4	271	271 1/4	271 1/2	271 3/4	272	272 1/4	272 1/2	272 3/4	273	273 1/4	273 1/2	273 3/4	274	274 1/4	274 1/2	274 3/4	275	275 1/4	275 1/2	275 3/4	276	276 1/4	276 1/2	276 3/4	277	277 1/4	277 1/2	277 3/4	278	278 1/4	278 1/2	278 3/4	279	279 1/4	279 1/2	279 3/4	280	280 1/4	280 1/2	280 3/4	281	281 1/4	281 1/2	281 3/4	282	282 1/4	282 1/2	282 3/4	283	283 1/4	283 1/2	283 3/4	284	284 1/4	284 1/2	284 3/4	285	285 1/4	285 1/2	285 3/4	286	286 1/4	286 1/2	286 3/4	287	287 1/4</
----------------	-------	--------	-------	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	---	-------	-------	-------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	----	--------	--------	--------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	---------	---------	---------	-----	-----------

FLANGED FACE COUPLINGS.

SEE CUT NO. 13.

DESCRIPTION ON PAGE 45.

Diam. of Shaft.	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16	5 7/16	5 15/16
Cipher.....	Nanguine	Sanscrit	Sanitary	Sapful	Sap	Sarcasm	Sardonic	Saros	Sash	Satisfy	Satrap	Satin	Sapling	Sapid	Sapper	Sardle	Sareode	Sard
Price, not fitted	\$6 00	6 50	8 00	8 50	9 50	11 25	13 00	14 50	16 50	19 50	24 00	27 50	30 00	35 00	42 00	50 00	60 00	75 00
Price, fitted to shaft.....	\$8 25	9 00	10 75	11 75	12 75	15 25	17 25	19 50	21 50	25 25	29 75	34 25	37 00	43 25	50 25	61 75	75 00	93 00

Intermediate sizes, proportionate prices. For Reducing Flange Couplings take one-half of Combined list prices of the two sizes required.

IMPROVED COMPRESSION COUPLINGS.

SEE CUT NO. 14.

DESCRIPTION ON PAGE 45.

For Reducing Compression Couplings use the list of Coupling of size of largest end.

Diam. of Shaft.	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16
Cipher	Tabard	Tabby	Tabular	Tacit	Tackle	Tactile	Tagbolt	Talkstock	Tailwise	Talented	Talisman	Tamarin	Tamback	Tame	Tamely	Taukin
Price, not Fitted	\$3 50	4 00	4 50	5 25	6 75	7 75	9 25	10 75	12 50	13 50	15 75	20 00	23 00	27 50	31 00	37 00
Price, Fitted....	\$5 25	5 75	6 50	7 25	9 25	10 75	12 75	14 75	17 00	19 00	21 75	26 00	30 00	35 00	39 00	46 00

Intermediate sizes at proportionate prices. All sizes from 2 3/16 inches up are provided with a key and steel pins without extra charge; the smaller sizes do not require keys.

COMPRESSION COUPLINGS—WITH SHELL.

SEE CUT NO. 15.

DESCRIPTION ON PAGE 45.

For Reducing Compression Couplings use the list of Coupling of size of largest end.

Diam. of Shaft.	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16
Cipher.....	Xylite	Xebec	Xylotile	Xentum	Xenotime	Xerodes	Xanthine	Xanthogen	Xenodochy	Xiphias	Xylograph	Xeriff
Price, not Fitted	\$5 50	6 50	7 25	8 25	9 75	10 75	13 25	16 75	20 25	23 00	27 50	32 50
Price, Fitted....	\$7 10	8 50	9 50	10 75	13 00	14 50	17 50	21 50	25 25	28 20	33 00	39 00

DENTAL COUPLINGS.

WITH SPIRAL OR SQUARE JAW ACCURATELY BORED, TURNED ON OUTSIDE.

SPIRAL COUPLINGS, SEE CUTS No. 17. SQUARE JAW COUPLING, SEE CUT No. 16.

DESCRIPTION ON PAGE 46.

Diam. of Shaft.	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16	5 7/16	5 15/16
Cipher Without Lever.	Tackett	Tallis	Tallon	Tamm	Tandy	Tapling	Tartar	Tatum	Taussig	Teasdale	Teller	Tennent	Tenzler	Terrell	Terry	Tesson	Teviss	Thomas
Price, Not Fitted.	\$7 30	8 50	9 30	11 00	13 50	16 00	18 75	22 00	26 00	33 50	41 00	49 25	58 00	67 00	73 00	80 50	90 25	108 50
Price, Fitted on Shaft.	\$11 80	13 30	14 60	16 60	19 40	22 25	25 60	29 75	34 75	43 25	51 50	60 50	70 00	81 00	87 75	97 75	110 00	131 00
Price of Lever.	\$4 10	4 90	6 00	6 80	7 70	8 50	9 40	10 25	10 50	10 50	10 50	12 75	12 75	12 75	12 75	15 25	15 25	15 25
Cipher, Coupling with Lev.	Thiel	Thompson	Thorn	Thorpe	Thurston	Tibbs	Ticknor	Timbers	Tobin	Tombs	Torrence	Tramper	Trask	Traveler	Tribune	Triplett	Tudor	Tyler

SINGLE BRACE DROP HANGERS AND FLOOR STANDS.

Adjustable in all Directions—Self-Oiling Babbitted Bearings.

SEE CUT NO. 20.

DESCRIPTION ON PAGE 47.

Diam. Shaft...	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16
1/4" Bearing	5 1/2	6	6 1/4	7	7 1/2	8	8 1/2	9	9 1/4	10	11	12
Cipher.....	Abott \$3 00	Absurd 4 45	Achieve 5 50	Addict 6 20	Affront 6 90	Amate 8 40	Agdely 9 20	Acery 10 80	Ascribe 13 00	.....	.....	.....
" " 10	Abbey \$3 45	Accent 4 65	Acorn 5 70	Adjourn 6 40	Afraid 7 20	Amateur 8 80	Agile 9 80	Apex 11 30	Ashen 14 00	.....	.....	.....
" " 12	Abode \$3 90	Abyss 4 90	Acrobat 5 90	Adjunct 6 60	Alias 7 50	Amateur 8 80	Agile 9 80	Apology 11 80	Ashes 15 00	Austrian 16 50	Angler 19 25	Ballast 20 50
" " 14	About \$4 10	Accost 5 15	Actress 6 10	Admiral 6 90	Alien 7 80	Aim 9 30	Agitate 10 40	.....	.....	Author 17 00	Anguish 20 50	Ballot 21 50
" " 16	Absorb \$4 30	Accure 5 40	Active 6 30	Adore 7 20	Alms 8 10	Aisle 9 80	Ambly 11 00	Apall 12 30	Asleep 15 50	Awake 17 50	Angular 21 50	Balmy 22 50
" " 18	.....	Ache \$5 60	Actor 6 60	Adroit 7 50	Alone 8 40	Aid 10 30	Ambush 12 00	Arnica 13 00	Assort 15 00	Awning 18 50	Anxiety 22 50	Bandage 23 50
" " 20	.....	Acher \$5 90	Acute 6 90	Adverse 7 80	Aloud 8 70	Alcohol 10 80	Amuse 13 00	Arouse 13 90	Attain 17 50	Audit 18 75	Bailiff 23 50	Bandit 24 50
" " 22	.....	Adage \$7 25	Adage \$7 25	Affair 8 40	Alter 9 60	Alcoran 11 30	Ankle 14 00	Artery 14 80	Attract 18 50	Arena 21 00	Bakery 24 50	Banner 25 50
" " 24	.....	Adapt \$7 50	Adapt \$7 50	Affect 9 10	Amass 10 50	Alcove 12 00	Ant 15 00	Ascend 15 50	Auburn 19 00	Attire 21 50	Balance 25 00	Barber 26 50
" " 27	.....	.....	.....	Barcon \$ 9 50	Bardash 11 00	Bardling 13 00	Barbone 15 50	Barface 16 50	Barefoot 19 50	Barehead 22 00	Bargain 25 50	Barge 27 00
" " 30	.....	.....	.....	Baritone \$10 00	Bark 12 00	Barnacle 14 00	Baronage 16 00	Baronet 17 50	Barrow 20 00	Basalt 22 50	Basso 25 00	Bassoon 28 00
" " 36	.....	.....	.....	.....	.....	Bastard \$15 00	Bastile 16 50	Beadle 18 50	Bearded 21 00	Beauty 23 00	Because 25 50	Beginner 29 00

For Double Brace Hangers see page 28. A liberal discount given on above prices.

DOUBLE BRACE DROP HANGERS AND FLOOR STANDS

Adjustable in all Directions—Self-Oiling Babbitted Bearings.

SEE CUT No. 21.

DESCRIPTION ON PAGE 48.

MEDART PATENT PULLEY COMPANY.

Diameter of Shaft	17/16	11 1/2	11 1/16	1 15/16	23/16	27/16	21 1/16	2 15/16	35/16	37/16	31 1/16	3 15/16	42/16	47/16	41 1/16	4 15/16
Length of Bearing	6	6 1/2			7 1/2	8			9 1/2	10	11		12	13	14	15
Cipher.....10	Scarp \$4 90	Science \$5 30	Scrump 7 10	Sedgment 10 20	Scent 8 70	Sedgment 10 20	Senna 12 35	Serf 14 40	Setter 17 50	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 12	Scarp \$5 05	Scoll 6 25	Scrub 7 40	Seizure 10 60	Secole 9 00	Seizure 10 60	Sensation 12 70	Serge 15 00	Settle 18 00	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 14	Scarp \$5 25	Sold 6 45	Scrub 7 75	Seldom 11 00	Scet 9 40	Seldom 11 00	Sense 13 05	Sergent 15 50	Serve 18 50	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 16	Scarp \$5 50	Score 6 60	Scud 8 10	Secile 9 70	Scelle 9 70	Secile 9 70	Sensible 14 10	Serious 16 50	Sextant 19 00	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 18	Scarp \$5 80	Scream 6 75	Scuffle 8 40	Sedat 10 00	Sedan 10 00	Sedat 10 00	Sentance 14 85	Sermon 17 00	Shadow 19 50	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 20	Scarp \$6 10	Screed 6 90	Sculi 8 70	Sedje 10 30	Sedje 10 30	Sedje 10 30	Sentiment 15 20	Serpent 17 75	Shady 20 00	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 22	Scarp \$7 10	Screw \$7 70	Scum 9 10	Sedlitz 10 60	Sedlitz 10 60	Sedlitz 10 60	Sentry 15 65	Servant 18 25	Shaggy 20 50	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 24	Scarp \$8 25	Scribe \$8 25	Scurf 9 30	Sed 11 00	Sed 11 00	Sed 11 00	Sequel 16 00	Serve 19 00	Shaker 21 25	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 27	Scarp \$9 50	Sythe \$9 50	Scurl \$9 50	Sedling 11 85	Sedling 11 85	Sedling 11 85	Sequel 16 50	Serve 19 00	Shaker 21 25	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 30	Scarp \$10 00	Scat \$10 00	Scat \$10 00	Sedat 15 50	Sedat 15 50	Sedat 15 50	Serenade 17 00	Sesson 20 25	Shamrock 22 50	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00
" " 36	Scarp \$16 25	Scarp \$16 25	Scarp \$16 25	Scarp \$16 25	Scarp \$16 25	Scarp \$16 25	Serenade 17 00	Sesson 20 25	Shamrock 22 50	Shaver 20 00	Shower 23 00	Signal 26 50	Sinful 30 25	Snolder 34 50	Snuff 38 00	Solitary 44 00

FOR SINGLE BRACE HANGERS, SEE PAGE 27.

We are prepared to furnish 25-inch, 28-inch, 31-inch and 37-inch drop, and all intermediate drops from 6 inches to 24 inches, also for all intermediate sizes of shaft, at proportionate prices. A liberal discount given on above prices.

ADJUSTABLE POST HANGERS.

Adjustable in all Directions—Self-Oiling Babbitted Bearings.

SEE CUT No. 22.

DESCRIPTION ON PAGE 48.

Diameter of Shaft.	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16	5 7/16	5 13/16
Length of Bearing.	5 1/2	6	6 1/2	7.	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	13	14	15	16 1/2	18
From Center of Shaft to Back of Hanger.	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	- 9	9	9	9	9	9	9	9
Cipher.	Wel- come	Wel- fare	Welker	Wellers	Well- tons	Wendell	Wesco	Wesley	Wesson	Westboro	Western	Westford	Weston	Westover	Westport	West- wood	Wetmore	Wetona
Price.	\$4 00	4 75	5 40	6 20	7 00	8 40	9 50	11 40	13 50	16 25	18 50	21 00	23 00	27 00	31 00	35 25	41 50	49 00

RIGID POST HANGERS.

Bracket Adjustable Vertically—Box Adjustable Laterally—Self-Oiling Babbitted Bearings.

SEE CUT No. 23.

DESCRIPTION ON PAGE 49.

Diameter of Shaft.....	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16	5 7/16	5 13/16
Length of Bearing.....	4 1/2	5	6	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	13	14	15	16 1/2	18
From Center of Shaft to Back of Hanger..	5 3/4	5 3/4	6	6 1/2	6 1/2	6 1/2	6 1/2	7	7 1/2	8	8 1/2	8 1/2	8 1/2	8 1/2	9 1/2	9 1/2	9 1/2	9 1/2
Cipher.....	Wet- sels	Wha- lan	Wharf	Whar- ton	Wheat	Wheel- er	Whip- ple	White- comb	White- hall	White- law	White- man	White- ney	Wich- ita	Wick- ford	Wig- gins	Wig- wam	Wilber	Wilcox
Price	\$3 00	3 50	4 50	5 25	6 20	7 10	8 90	10 00	11 50	13 50	15 75	15 00	20 25	22 50	28 00	34 50	41 50	51 50

SLOTTED BRACKETS.

WITHOUT PILLOW BLOCK, BUT INCLUDING BOLTS TO FASTEN PILLOW BLOCK.

SEE CUT No. 24.

DESCRIPTION ON PAGE 49.

Diameter of Shaft	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16
Wildare	Wildare	Wildcat	Wilders	Wild-wood	Wiley	Wilegus	Wilhelm	Wilkins	Willard	Willis	Willow	Wilmar	Wilnot	Wilsey	Wilson	Wimer
\$2 75	3 15	3 15	3 30	4 40	5 00	5 50	6 00	7 00	7 75	8 50	9 40	10 25	12 00	13 50	15 25	17 50
Win- chells	Windom	Wind- ham	Wind- ham	Windom	Wind- rock	Windsor	Winfield	Wingate	Winkler	Winslow	Winstead	Winston	Winter	Win- throp	Wirts	Wise
\$3 00	4 75	4 15	4 15	4 75	5 40	6 00	6 60	7 50	8 25	9 00	10 00	11 00	12 75	14 25	16 25	18 25
Wiseman	Withrow	Withers	Withers	Withrow	Wolcott	Wolfe	Wolton	Wolsey	Woodbine	Woodhull	Wood- land	Wood- man	Woodruff	Woods	Woodside	Woodson
\$3 25	5 00	4 40	4 40	5 00	5 70	6 35	7 00	7 90	8 65	9 60	10 50	11 50	13 25	15 00	17 06	19 00
Wooster	Wright	Wright	Worth	Wrens	Wyatt	Wyatt	Wyman	Wyoming	Yates	Yazoo	York	Yosemite	Youngest	Yucatan	Zero	Zulu
\$3 50	6 00	6 00	4 65	5 25	6 75	6 75	7 50	8 30	9 10	10 25	11 25	12 25	14 00	15 75	17 75	20 00

GIRDER HANGERS.

To Be Used with Either Rigid or Adjustable Post Hangers, Bracket Pillow Blocks or Slotted Brackets.

SEE CUT No. 27.

DESCRIPTION ON PAGE 50.

Diameter of Shaft	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16
Yankee	Yankee	Yachting	Yawl	Yearling	Yellow	Yeoman	Yonker	Youtful	Yourself	Youngster	Youngish	Ytria
\$ 5 60	5 60	6 00	6 60	7 20	8 25	9 00	9 50	10 00	11 00	12 50	13 50	14 75

The drop is from bottom of Girder to center of shaft. In ordering, when convenient, state the depth of Girder.
drop, from 30 inches down. For each additional 2 inches drop add 12 cents net.

We make these Hangers any

ADJUSTABLE PILLOW BLOCKS.
ADJUSTABLE IN ALL DIRECTIONS—SELF-OILING BABBITTED BEARINGS.

SEE CUT No. 26.
DESCRIPTION ON PAGE 50.

	13/16	17/16	111/16	145/16	23/16	27/16	211/16	215/16	33/16	37/16	311/16	315/16
Diameter of Shaft.....		6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12
Length of Bearing.....												
Cipher.....	Saturate	Sauce	Sausage	Samphire	Sawer	Saxon	Saying	Satyr	Scab	Scabbard	Savall	Scantling
Price	\$3 75	4 25	5 00	6 10	7 25	8 40	9 50	11 00	12 75	14 50	16 50	18 75

BRACKET PILLOW BLOCKS.
SELF-OILING BABBITTED BEARINGS.

SEE CUT No. 25.

SEE COL NO. 29.
DESCRIPTION ON PAGE 49.

	13/16	17/16	111/16	115/16	23/16	27/16	211/16	215/16	33/16	35/16	311/16	35/16	311/16	35/16
Diameter of Shaft.....	41/2	5	6	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	11	12
Length of Bearing.....	25/8	23/4	31/8	31/4	31/2	41/8	41/4	43/8	51/8	51/8	51/4	61/8	51/4	61/8
From Center of Shaft to Back of Bracket	Sinclair	Sisson	Sitting	Skates	Skelton	Skidmore	Skiff	Skinner	Slade	Slater	Sted	Sleeper	Sted	Sleeper
Cipher.....														
Price.....	\$2 00	2 40	3 10	4 00	4 50	5 60	6 50	7 50	8 75	10 50	11 80	14 00	11 80	14 00

**BALL AND SOCKET PILLOW BLOCKS.
SELF-OILING BABBITTED BEARINGS.**

SEE CUT No. 29.

DESCRIPTION ON PAGE 51.

Diameter of Shaft	13/16	17/16	111/16	115/16	23/16	27/16	211/16	215/16	33/16	37/16	311/16	315/16	43/16	47/16	411/16	415/16	515/16
Length of Bearing	5	6	7	8	9	10	11	12	12	12 1/2	13	14	14 1/2	15	15 1/2	16	18
Upper, without Base Plate.....	Sarner	Sarpy	Sartor	Satchel	Satler	Sauer	Sautier	Savage	Savignac	Saville	Savitz	Saxe	Saxtro	Sayers	Scaling	Scalzo	Scarritt
Price, without Base Plate.....	\$3 25	3 30	4 90	5 65	6 75	8 00	9 50	11 25	12 25	14 00	15 50	17 00	19 25	21 50	24 75	27 75	40 00
Price, with Base Plate.....	\$6 85	7 90	9 30	10 45	12 25	13 80	15 70	17 90	19 25	21 70	24 00	26 50	29 50	33 25	37 50	41 25	56 00
Upper, with Base Plate.....	Scharf	Schaub	Schelp	Schenck	Scherpe	Schiller	Schmidt	Scott	Seruggs	Scullin	Sealer	Seaman	Seales	Sears	Seaton	Seaver	Security

WE CAN VARY LENGTHS OF BEARINGS.

RIGID PILLOW BLOCKS.

HORIZONTAL AND VERTICAL—SELF-OILING BABBITTED BEARINGS.

VERTICAL PILLOW BLOCK, SEE CUT NO. 31. HORIZONTAL PILLOW BLOCK, SEE CUT NO. 30.
DESCRIPTION ON PAGE 51.

Diameter of Shaft ..	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	4 3/16	4 7/16	4 11/16	4 15/16	5 7/16	5 15/16
Length of Bearing ..	4 1/2	5	6	7	7 3/4	8	8 1/2	9	9 3/4	10	11	12	13	13	14	15	16 1/2	18
Cipher Without Base Plate.....	Seldon	Seehold	Segar	Segrave	Seihel	Selby	Sellers	Sellow	Sells	Seltler	Seuple	Senden	Senter	Seydel	Seymour	Shade	Shanks	Sharkey
Price Without Base Plate.....	\$1 65	2 00	2 50	3 10	3 60	4 25	5 10	5 75	6 75	8 00	9 25	10 75	12 50	14 00	18 00	21 50	26 50	33 00
Price With Base Plate.....	\$5 25	6 00	6 90	7 90	9 10	10 00	11 30	12 40	13 75	15 70	17 75	20 25	22 75	25 75	30 75	35 00	41 50	49 00
Cipher With Base Plate.....	Sharpe	Shaw	Slay	Sheels	Sheldon	Shelp	Shorwood	Shine	Shipman	Shipton	Shirley	Short	Sibley	Sickle	Sidney	Silence	Silver	Simcox

We can vary lengths of bearings.

COMMON FLAT BOXES.

BABBITTED BEARINGS.

SEE CUT NO. 32.

DESCRIPTION ON PAGE 52.

Diameter of Shaft.....	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16
Length of Bearing	3 3/4	3 1/2	4	4	4 1/4	4 3/4	5	5	5 3/4	5 1/2	6	6
Cipher	Udal	Udder	Ulan	Ulmire	Ultior	Ultimate	Ultra	Unbel	Umbrage	Umpire	Unapt	Unarm
Price	\$1 25	1 55	1 80	2 10	2 50	3 00	3 50	4 00	4 50	5 00	5 75	6 75

SOLID JOURNAL BOXES.

BORED BEARINGS.

SEE CUT NO. 33.

DESCRIPTION ON PAGE 52.

Diameter of Shaft.....	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16
Length of Bearing.....	2 3/4	3	3 1/4	3 3/4	3 3/4	4	4 3/4	4 3/4
Cipher.....	Unbag	Unballast	Unbend	Unbind	Unbit	Unblest	Unbolt	Unborn
Price.....	\$1 05	1 20	1 35	1 60	1 85	2 10	2 35	2 75

A liberal discount on above prices.

FLOOR BOXES.

ADJUSTABLE, SELF-OILING BABBITTED BEARINGS.

SEE CUT NO. 34. DESCRIPTION ON PAGE 52.

Diameter of Shaft.....	17/16	11 1/16	1 15/16	23/16	27/16	2 11/16	2 15/16	33/16	37/16	3 11/16	3 15/16
Cipher.....	Bromwell	Browning	Burkart	Cantwell	Carmack	Carpenter	Caruth	Cassidy	Caswell	Chadwick	Charters
Price.....	\$5 50	6 50	7 75	9 00	11 00	12 75	14 25	16 00	18 00	20 00	22 00

STEP BOXES.

WITH BRASS JOURNAL BOXES.

SEE CUT NO. 35. DESCRIPTION ON PAGE 53.

Diam. of Shaft.	17/16	1 11/16	1 15/16	23/16	27/16	2 11/16	2 15/16	33/16	37/16	3 11/16	3 15/16	41 1/16	4 15/16
Cipher.....	Snider	Snow	Sontag	Soulard	Sowders	Spanish	Sparks	Spicer	Spilker	Spiro	Sport	Spotts	Squiers
Price.....	\$6 00	6 60	7 60	8 60	10 00	12 00	14 00	17 75	21 25	24 25	27 25	30 50	41 50
												35 75	49 00

WALL FRAMES.

WITHOUT PILLOW BLOCK.

SEE CUT NO. 37. DESCRIPTION ON PAGE 53.

Diameter of Shaft..	13/16	17/16	1 11/16	1 15/16	23/16	27/16	2 11/16	2 15/16	33/16	37/16	3 11/16	3 15/16	43/16	47/16	4 15/16	57/16	5 15/16
Cipher.....	Vacate	Vacation	Vacillate	Vale	Vagrunt	Vague	Vail	Vainly	Valance	Valerate	Valet	Valiant	Validity	Valise	Valum	Valor	Value
Price.....	\$4 25	4 65	5 25	5 85	7 00	8 10	9 50	11 00	12 50	14 00	15 25	16 50	17 50	18 75	20 00	21 50	24 25
																	27 00

Above prices are for Wall Frames 9 inches wide; for every additional inch add 3 per cent to List Prices.

IRON FRAME BELT TIGHTENER.

ADJUSTABLE—COMPLETE WITH DOUBLE-BELT PULLEY AND SELF-OILING BABBITTED BEARINGS.

SEE CUT NO. 38. DESCRIPTION ON PAGE 54.

Number	1	2	3	4	5	6	7	8
Size of Pulley	12x9	14x11	15x13	20x17	24x21	30x25	36x31	40x37
Distance Between Uprights, Inches.....	14	14	18	18	24	27	34	40
Length of Adjustment.....	20	22	24	26	30	34	40	46
Cipher.....	Slicer	Slick	Slinger	Sloss	Smart	Smelter	Smith	Sneed
Price	\$47 00	51 50	62 00	72 50	98 00	129 00	167 50	237 50

Slight extra charge for variation in distance between Uprights, and in length of adjustment.

ECCENTRIC BOXES.

SEE CUT No. 36. DESCRIPTION ON PAGE 53.

Diameter of Shaft...	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 7/16	2 11/16	2 15/16
Length of Bearing..	5	6 3/4	6 3/4	7 1/4	7 3/4	8 3/4	8 3/4	9 3/4
Cipher	Sanches	Sandach	Sandburg	Sanderson	Sandusky	Sankey	Sanwald	Sargent
Price	\$8 00	9 25	10 50	12 00	14 00	16 00	18 00	20 50

SPECIAL FLOOR STANDS.**WITH PILLOW BLOCKS.**

SEE CUT No. 42. DESCRIPTION ON PAGE 55.

Diameter of Shaft.	Height to Center of Shaft, In.	Price with Rigid Pillow Block.	Cipher with Rigid Pillow Block.	Price with Ball and Socket Pillow Block.	Cipher with Ball and Socket Pillow Block.	Diameter of Shaft.	Height to Center of Shaft, In.	Price with Rigid Pillow Block.	Cipher with Rigid Pillow Block.	Price with Ball and Socket Pillow Block.	Cipher with Ball and Socket Pillow Block.
2 15/16	30	\$35 00	Upham	\$41 00	Veteran	4 7/16	34	\$54 40	Vannest	60 40	Vogel
	32	35 30	Upland	41 30	Veto		36	55 00	Vanpelt	61 00	Volcano
	34	35 65	Upper	41 65	Viaduct		30	57 20	Vanwert	64 20	Volga
	36	36 00	Upshaw	42 00	Vichy		32	57 80	Variety	64 80	Volney
3 3/16	30	37 80	Upson	43 80	Vickery	4 11/16	34	58 40	Varnell	65 40	Volunteer
	32	38 20	Upton	44 20	Victor		36	59 00	Vassar	66 00	Volusia
	34	38 60	Urban	44 60	Victory		30	62 20	Vaughn	70 20	Vorhees
	36	39 00	Uriah	45 00	Vienna		32	62 80	Vedder	70 80	Vosbourg
3 7/16	30	41 50	Ushers	47 50	Vilas	4 15/16	34	63 40	Velarde	71 40	Vowell
	32	42 00	Utica	48 00	Village		36	64 00	Venable	72 00	Vulcan
	34	42 50	Utopia	48 50	Vincent		30	67 75	Venice	75 75	Vulture
	36	43 00	Vadens	49 00	Vineland		32	68 50	Venus	76 50	Waco
3 11/16	30	45 50	Valcours	51 50	Vinton	5 7/16	34	69 25	Verbera	77 25	Waddell
	32	46 00	Valda	52 00	Viola		36	70 00	Verble	78 00	Wade
	34	46 50	Valley	52 50	Violet		30	79 75	Verde	87 75	Wadham
	36	47 00	Valona	53 00	Violin		32	80 50	Vermont	88 50	Wagner
3 15/16	30	49 20	Vance	55 20	Viper	5 15/16	34	81 25	Vernal	89 25	Wahl
	32	49 80	Vandiver	55 80	Virden		36	82 00	Vernon	90 00	Wahoo
	34	50 40	Vandorn	56 40	Virgil		30	89 75	Verona	99 75	Waite
	36	51 00	Vandyke	57 00	Virginia		32	90 50	Vesper	100 50	Wakeman
4 3/16	30	53 20	Vanhorn	59 20	Virtue		34	91 25	Vesta	101 25	Walcott
	32	53 80	Vanmeter	59 80	Vista		36	92 00	Vesuvius	102 00	Walden

FULCRUM STANDS.**FOR FRICTION CLUTCH PULLEYS.**

SEE CUT No. 42. DESCRIPTION ON PAGE 56.

From Center of Shaft to Floor, In..	30	32	34	36
Cipher.....	Capsize	Captor	Carcass	Carnage
Price	\$12 25	13 00	13 25	13 50

MULE PULLEY STANDS, COMPLETE.

SEE CUT No. 39. DESCRIPTION ON PAGE 54.

Width of Belt, Inches.	3	4	5	6	7	8	9	10	12
Diameter of Shaft....	1 3/16	1 7/16	1 11/16	1 11/16	1 11/16	1 15/16	1 15/16	2 3/16	2 7/16
Diameter of Pulleys, In	10	10	12	14	14	16	16	18	20
Cipher.....	Streck	Street	Studley	Sturges	Sullivan	Sunday	Swearer	Sweeney	Swope
Price	\$22 50	25 50	30 25	33 75	35 75	40 75	42 50	49 00	63 75

Prices include one shaft 4 feet long, two pulleys with face 1 inch wider than belt, two sleeves 2 inches longer than width of belt, two set collars, top and bottom plates, and three guy rods and turn buckles.

For each additional three inches in length of shaft add 20 cents net.

LUMBER TRUCK WHEELS.

SEE CUT No. 40. DESCRIPTION ON PAGE 55.

Diam. of Wheel..	10	12	14	16	18	20	24
Diameter of Axle.	$1\frac{7}{16}$	$1\frac{7}{16}$	$1\frac{11}{16}$	$1\frac{11}{16}$	$1\frac{15}{16}$	$1\frac{15}{16}$	$1\frac{15}{16}$
Cipher.....	Stacy	Stafford	Stalker	Stamps	Stanley	Stark	Strauss
Price	\$25 00	27 00	32 00	37 00	42 00	48 00	55 00

These wheels are very strong and run loose on axles. Prices include 4 wheels, 2 axles for track not over 3 feet gauge and 8 bolts for 10-inch timbers.

In ordering give distance between tracks. A liberal discount given.

LOOSE PULLEY LUBRICATORS.

CUTS Nos. 43 AND 44. DESCRIPTION ON PAGE 56.

CIPHER.	Size of Lubri- cator, Inches.	Designed for Shaft, Inches.	Size of Candle, Inches.	To Fit Standard Pipe Thread, In.	Price, each
Chessman	$\frac{3}{8}$	$1\frac{7}{16}$ and smaller	$\frac{3}{8}$	$\frac{3}{8}$	\$0 45
Chipley	$\frac{5}{8}$	$2\frac{3}{16}$ to $2\frac{7}{16}$	$\frac{5}{8}$	$\frac{1}{2}$	50
Coaless	$\frac{3}{4}$	$2\frac{7}{16}$ and larger.	$\frac{3}{4}$	$\frac{3}{4}$	90

SHAFT LUBRICATORS.

SEE CUT No. 45.

CIPHER.	Size of Lubricator, Outside, Inches.	Designed for Shaft, Inches.	Size of Candle, Inches.	To Fit Hole, Inches.	Price, each.
Cockrell.....	$\frac{1}{2}$	$1\frac{3}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	\$0 15
Coffee	$1\frac{1}{16}$	$1\frac{7}{16}$ to $2\frac{3}{16}$	$\frac{5}{8}$	$1\frac{1}{16}$	20
Cohen	$\frac{7}{8}$	$2\frac{7}{16}$ to $3\frac{3}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	25
Comstock.....	1	$3\frac{7}{16}$ and larger	$\frac{7}{8}$	1	30

LUBRICANTS.

SEE CUT No. 46.

Cipher	Condon	Cornet	Cottrell	Crafts	Cranston	Craven	Crossman
Candle, Inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$1\frac{1}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Price, per hundred.....	\$1 00	1 00	1 50	1 50	2 00	2 00	3 00

Put up in Boxes of 50 each.

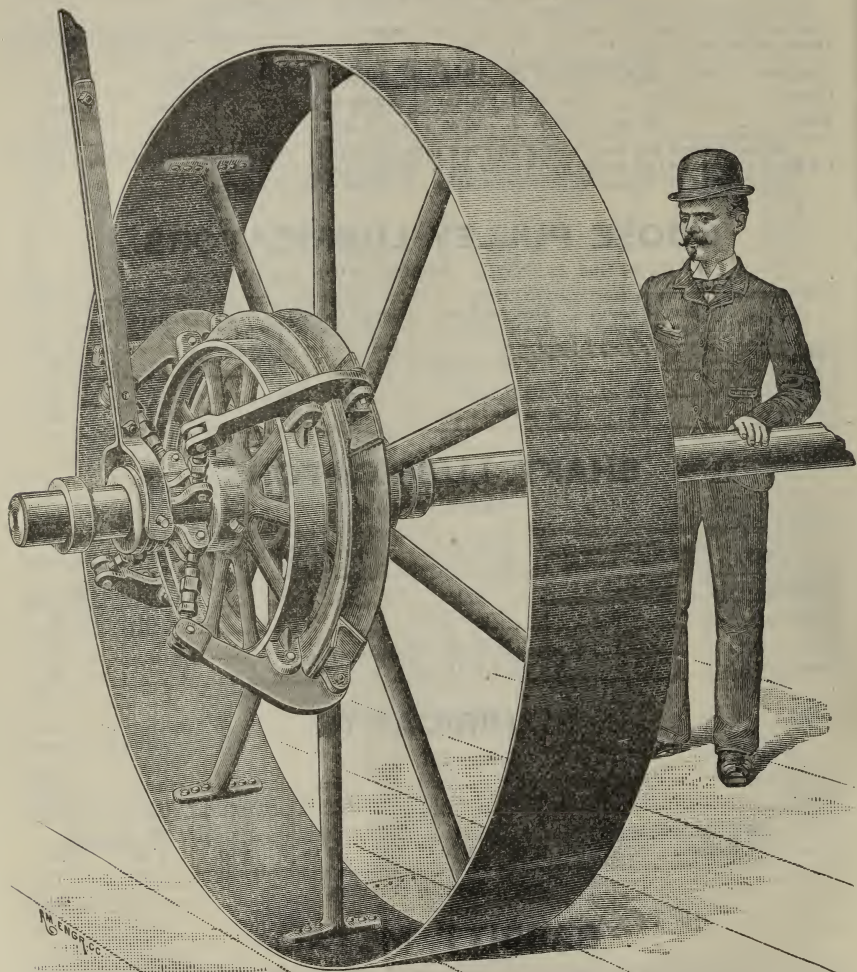
BABBITT METAL:

Cipher	Curley	Cushman	Darling	Decamp
Grade	Genuine	No. 1	No. 2	No. 3
Price, per pound.....	\$0 25	11	09	08

Boxing at Cost.

FOUR-ARM FRICTION CLUTCH PULLEY.

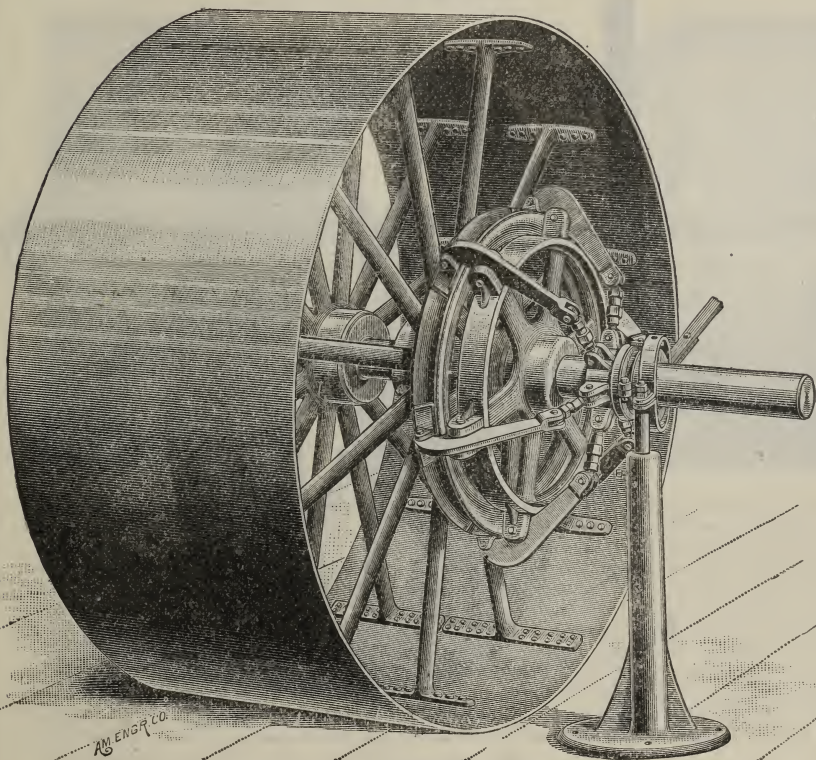
(PATENTED.)



CUT NO. 1.

SIX-ARM FRICTION CLUTCH PULLEY.

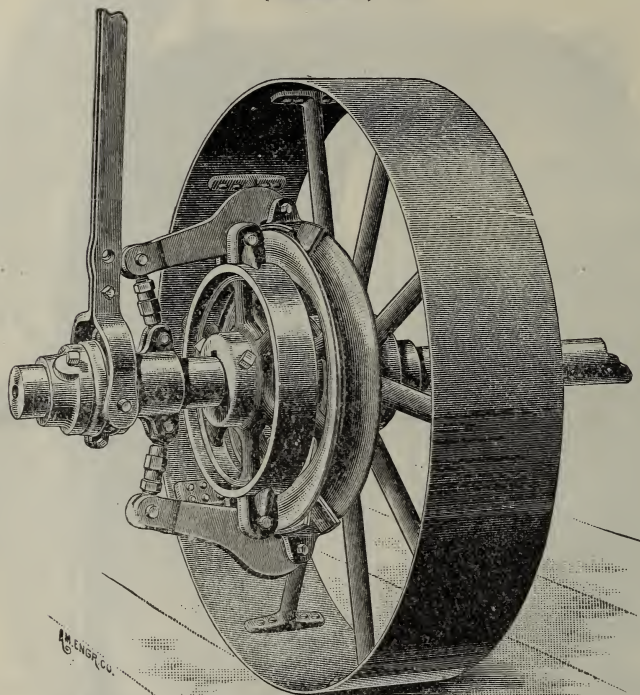
(PATENTED.)



CUT NO. 2.

TWO-ARM FRICTION CLUTCH PULLEY.

(PATENTED.)



CUT NO. 3.

FRICTION CLUTCH PULLEYS.

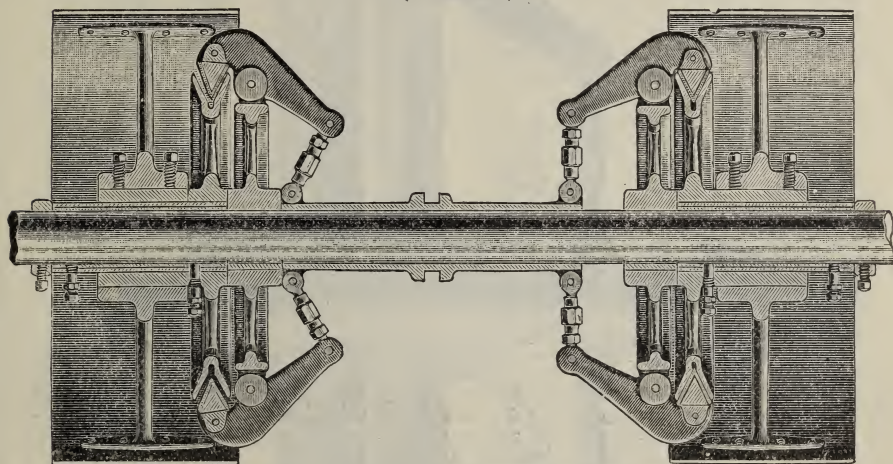
LISTED FOR SINGLE AND DOUBLE BELT DUTY.

SEE CUTS Nos. 1, 2, 3 AND 4. FOR PRICE LIST SEE PAGE 3.

Realizing the necessities of the times, and the demand of our customers for the best obtainable devices, we have striven to improve many articles of our manufacture.

We have given particular attention to improvements in Friction Clutch Pulleys and Cut-off Couplings, and can safely state that we have succeeded in devising a Friction Clutch which is at once simple in construction, very powerful, durable, occupies less space on shaft, and is lighter than any other Clutch on the market.

(PATENTED.)



CUT No. 4. DOUBLE FRICTION CLUTCH PULLEY.

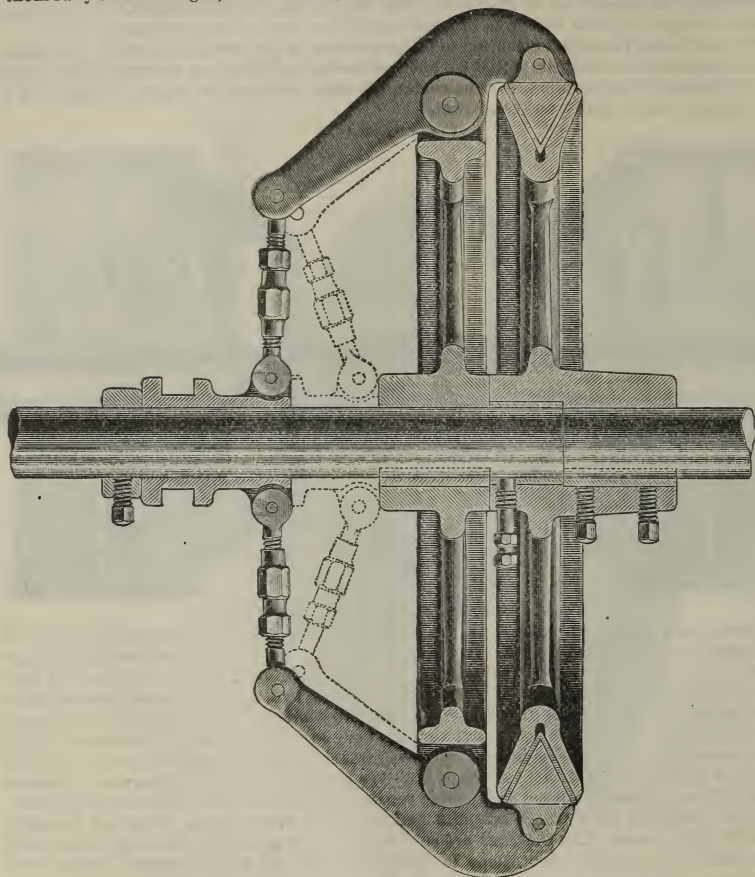
Through our system of testing we are able to supply our customers with Clutches of known horse-power, as we make it a point to test each and every Clutch sent out, and know absolutely just what power they will transmit. We are prepared to furnish Clutches for Pulleys of any size from 8 inches diameter upwards, and with two, four or six arms, according to the size of the Pulleys and the duty for which they are wanted. The simplicity of construction of these Clutches enables us to sell them at very low prices and yet maintain a high standard of excellence in workmanship. These Clutches are self-locking, and can be started and stopped gradually and without shock or jar. We have sold numerous Clutches to Electric Light and Electric Street Railroad Companies for the very heaviest duty, and can recommend them for all classes of work where strength and durability are required. They are specially adapted for high speeds. Our Clutches are sold under a guarantee, we agreeing that should they not come up to our representations to take them back, we paying freight charges both ways, and either replace them or refund the money paid.

We make two grades of Friction Clutch Pulleys, one to transmit full power of single leather belt and the other to transmit full power of double leather belt, and guarantee them as above mentioned. We can furnish Friction Clutch Pulleys to transmit less than full power of belts at specially low prices. When ordering, or inquiring for prices on Clutch Pulleys to transmit power varying from the full power of belts of corresponding width, it is necessary to give diameter and face of pulley, size of shaft, number of revolutions per minute, and horse-power to be taken off. We can furnish Split Friction Clutch Pulleys at a moderate advance on price of Whole Clutch Pulleys.

FRICITION CLUTCH COUPLINGS.

FOR PRICE LIST SEE PAGE 9.

Our Friction Clutch Couplings are made on the same general principle as our Friction Clutch Pulleys, and are guaranteed to transmit the horse power as specified in list. We guarantee them fully as to strength, workmanship and operation, and will replace them free of charge,



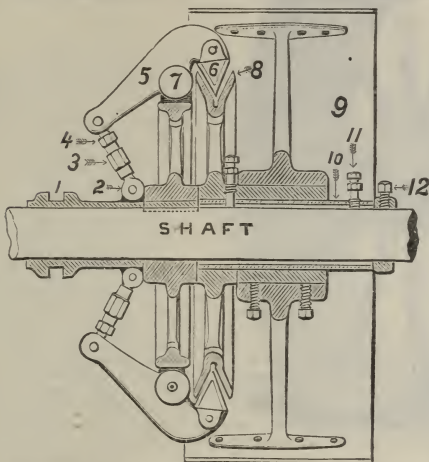
CUT NO. 5. FRICTION CLUTCH COUPLING.
(PATENTED.)

paying freight both ways, or refund the money paid should they not come up to our representations in every particular. They are the simplest, strongest and best Friction Clutch Couplings on the market, and, like our Friction Clutch Pulleys, occupy very little space on the shaft, and are thoroughly tested before sending out. They are self-locking, and can be started and stopped gradually and without shock or jar. When they are not required to transmit the full power of shaft it is necessary that we know the speed of shaft and horse-power wanted. We can then make prices corresponding to the requirements.

DIRECTIONS FOR PUTTING UP FRICTION CLUTCHES.

Our Friction Clutches are sent out from factory with all adjustments properly made, and when placed in position on the shaft they are ready for use.

When it is necessary to key-seat the shaft for the fulcrum wheel (7) the key-seat should be cut $\frac{1}{4}$ -inch less in length than the length of the hub of the fulcrum wheel. The key-seat should commence at the end of the hub of the sheave and extend toward the lever side of the



Clutch. For safety in shipping, the pulley and the sheave are sometimes separated. When so received be guided by the marks on each in placing them together. The shaft where the pulley is to run should be clean and smooth, and the shaft and sleeve should be thoroughly lubricated before placing the pulley in position. To connect lever (5) with sheave remove the pins at "7" and place shoes "6" in sheave, then replace the pins at "7." A bolt which acts as a stop for the slide-collar connects the slide-collar with the hub of the fulcrum wheel. Be careful to have this bolt screwed into the fulcrum wheel as far as it will go. A collar to be placed at the end of the sleeve of the pulley is sent with each Clutch. In making adjustments to take up wear, loosen the jam nuts (4) and turn the adjusting nuts (3) in the direction in which the arrow points. Care must be taken not to turn these nuts too far, as one-third of a turn is sufficient to make a great

difference in the power necessary to be applied at the end of the lever. Be careful to adjust all nuts equally, and when the adjustment is properly made the space between the shaft and the slide-collar will be the same at all points. Before starting the Clutch be sure that the rotating parts will not strike the lever. Keep the sleeve well lubricated. The figures stamped on end of lever indicate about the pounds pressure that should be applied at that point.

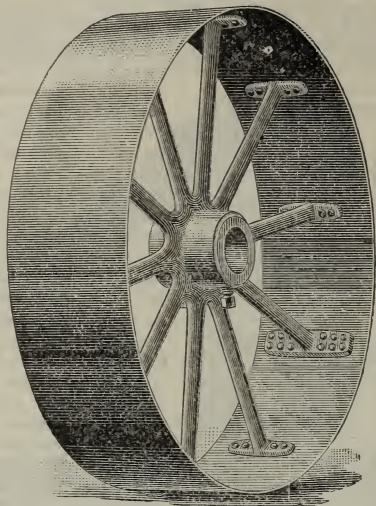
REFERENCE MARKS.

- | | | | |
|-----------------|------------------|------------------|--------------------|
| 1 Slide-Collar. | 2 Link. | 3 Adjusting Nut. | 4 Jam Nut. |
| 5 Fulcrum Arms. | 6 Friction Shoe. | 7 Fulcrum Wheel. | 8 V-Shaped Sheave. |
| 9 Pulley. | 10 Sleeve. | 11 Lubricator. | 12 Set-Collar. |

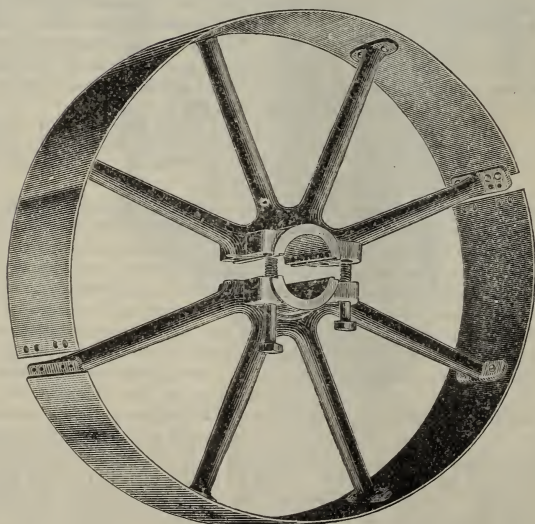
PULLEYS.

The objections to pulleys with cast iron rims are that they are badly balanced and unduly heavy and weak. It is a well-known fact that in casting such pulleys the rim chills in advance of the center, which causes the parts to be strained and weakened and the rim is liable to yield to a centrifugal strain. It is also very difficult to cast such pulleys with an even thickness of rim; and to secure a perfectly balanced cast iron rim pulley it is necessary to turn the rim both on the inside and the outside. By our improved construction and process of manufacturing we are enabled to offer pulleys entirely free from the defects characteristic of the cast iron pulleys. Our pulleys combine the minimum weight with the maximum strength, being 40 to 60 per cent lighter than cast iron pulleys for same duty. Our pulleys are absolutely without any shrinkage strain, the hubs and arms being cast without a rim. In making our pulleys the spiders (hubs and arms) are first centered and the hub bored. The spider is then ground concentrically with the axis of the pulley, after which the rim is attached and ground from the same center. The rim is of wrought metal of uniform thickness and width, and we make by this process a pulley as nearly perfect as can be made. These pulleys can be run at a high speed, which would be impracticable in a cast iron pulley, and the weight being much less admits of the use of much lighter shafting and hangers. We make Whole Pulleys, see cut No. 7; Splt Pulleys, see cut No. 9, Tight and Loose Pulleys, see cut No. 10; Cone Pulleys, see cut No. 11; Clamp Hub Pulleys, see cut No. 9.

(PATENTED.)



CUT No. 7.



CUT No. 9.

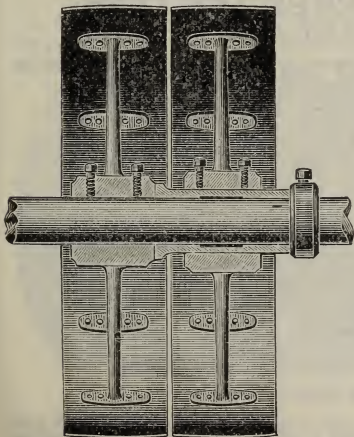
Medart Patent Wrought Rim Clamp Hub Pulleys.

Hold Fast to the Shaft Without Keyseat or Set-Screws. A New Departure in the Pulley Trade For Light or Heavy Belt Strains. Made Whole or Split. Guaranteed.

SEE CUT NO. 9.

Realizing that this is an age of progress, and that the old ways of doing things are continually giving way to newer and better methods, we have tried to keep abreast of the times in our pulley business, and think we have succeeded in devising a pulley which will be appreciated by all. We are prepared to furnish either whole or split pulleys with clamp hubs, which we guarantee to hold fast to shaft without keys or set-screws, whether for light or extremely heavy duty. The advantages of these pulleys are that it is unnecessary to keyseat the shaft. Keyseats weaken a shaft to a great extent, but by using these pulleys the shaft is retained in its original strength and condition. Should it be necessary to move the pulley on the shaft it can be done almost instantly by simply loosening the bolts, sliding the pulley to the point desired, and then fastening it by tightening up the bolts. We obtain a powerful clamp by means of the leverage secured by making the lugs long on one side of the hub, thus obtaining a great leverage on the shaft, as will be seen by reference to the illustrations. Clamp hub split pulleys will be furnished at the same price as the ordinary split pulleys, and clamp hub whole pulleys at a slight advance on the price of ordinary whole pulleys. By using clamp hub whole pulleys where an ordinary pulley would have to be keyed to shaft, a considerable saving may be made in cost, as the slight additional price charged for clamp hub pulleys is not equivalent to the cost of keyseating pulley and shaft and fitting key. We guarantee these pulleys to hold fast to shaft, and will replace free of charge any pulley that does not come up to our representations. Should it be the wish of any responsible party to test these pulleys, we will be pleased to send a pulley on trial, and if at any time within sixty days from date of shipment the pulley proves unsatisfactory it may be returned, we paying freight both ways. We have been making these pulleys for the past year, and have sold a great many where the duty is very severe, besides making extremely severe tests on our own account, and we have yet to hear of a single instance where the pulleys have not given entire satisfaction. We make these pulleys for single or double belt duty, and guarantee them fully as above mentioned.

(PATENTED.)



CUT NO. 10. ADJUSTABLE SLEEVE
LOOSE PULLEYS.

TIGHT AND LOOSE PULLEYS.

FOR PRICE LIST SEE PAGE 23.

We furnish tight and loose pulleys with the ordinary long hub and also with our patent adjustable sleeve. In figuring price on the ordinary tight and loose pulleys, use the regular pulley list, subject to discount on tight and loose pulleys.

Our new style tight and loose pulleys (see cut No. 10) are furnished with our patent adjustable sleeve. This style loose pulley has been thoroughly tested and can be safely recommended as much superior to the old style loose pulley. The improvement consists of an ordinary pulley fitted with a sleeve, the latter being bored to fit the shaft, and turned on the outside to fit the bore of the hub. The sleeve is made about two inches longer than the face of the pulley so as to furnish long bearing, having the advantage that the wear upon both pulley and shaft is reduced by fully one-half as compared with the old style. It has the further advantage that when the sleeve wears out it can be replaced at a small cost instead of destroying the entire pulley, the sleeve being held in place with set-screws, and can be readily removed and replaced. This pulley is run with an ordinary tight pulley, and when the face of the sleeve wears so as to bring the rims of the pulleys together it can readily be adjusted so as to leave any desired distance between the tight and loose pulley. In figuring

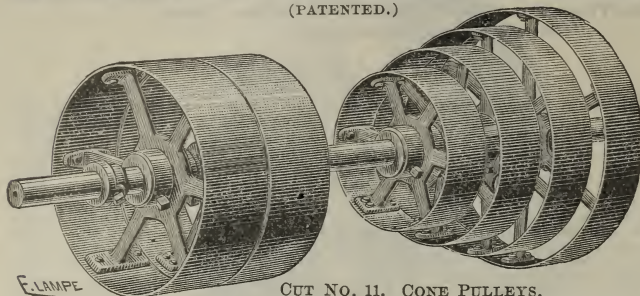
on this tight and loose pulley, use the regular list on pulleys and add the list price of the sleeves on page 23, figuring discounts same as on whole pulleys.

CONE PULLEYS.

FOR PRICE LIST SEE PAGE 21.

The advantages of this style of Cone Pulley are: First—It is much lighter and better balanced than a cast iron cone, and can be furnished in any diameter and for any width of belt.

(PATENTED.)

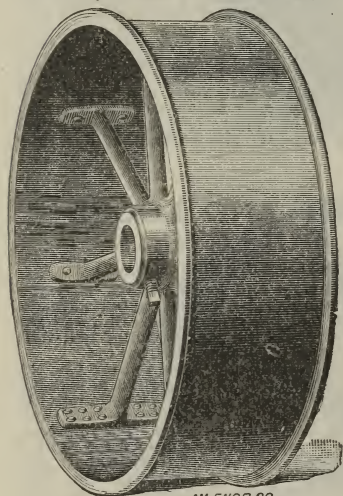


CUT NO. 11. CONE PULLEYS.

Fourth—Should it be desirable to change a cone, the pulleys are serviceable, whereas the old style cone is seldom of any use in such case.

Second—A belt will last as long on this form of cone as on a plain pulley, as the belt runs free as on a plain pulley, and there is consequently no wear on the edge from turning up and stretching, as is the case in the solid cones.

Third—We can also furnish cones in this style made of split pulleys; a great advantage in many cases.



CUT NO. 12. FLANGED PULLEY.

FLANGED PULLEYS.

FOR PRICE LIST SEE PAGE 23.

We are prepared to furnish pulleys with flanges on one or both sides, or center flanged pulleys.

SHAFTING.

STEEL OR IRON, TURNED, COLD-ROLLED AND POLISHED.

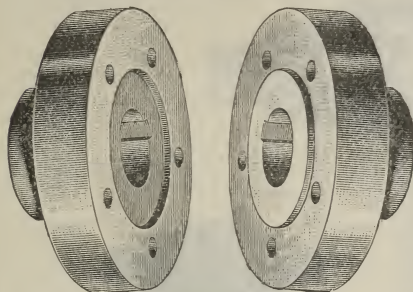
FOR PRICE LIST SEE PAGE 24.

Our shafting is made by our patent process, consisting of turning, cold-rolling and polishing. We use only the best materials for the purpose in the market, and warrant it to be superior in finish and equal in strength to shafting made by any other known process. Many of the leading shafting makers of this and other countries have adopted our system at great cost, which should be considered as sufficient guarantee of its merits. The names of a few such firms are mentioned below: V. Brasseur, Lille, France; Etna Iron & Steel Co., Glasgow,

Scotland; F. H. Stromberg, Altena, Germany; Edison Machine Co., Schenectady, N. Y.; American Tool & Machine Co., Boston, Mass.; Davis & Furber Machine Co., North Andover, Mass.; Geo. V. Cressen, Philadelphia, Pa.; Kilburn, Lincoln & Co., Fall River, Mass.; James Hunter & Son, North Adams, Mass.; Union Iron Works, Portland, Oregon; P. Prybibil, New York City; Clot & Meese, San Francisco, Cal.; Watson Machine Co., Paterson, N. J.; Benjamin Eastwood, Paterson, N. J.; C. F. McMurray, Troy, N. Y.; E. G. Smysers' Sons, York, Pa.; Fairmount Machine Co., Philadelphia, Pa.; August Wolf & Co., Chambersburg, Pa.; Holyoke Machine Co., Worcester, Mass.; Kitson Machine Co., Lowell, Mass.

A complete stock on 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22 and 24-foot lengths always on hand. A moderate charge will be made for cutting to other lengths. Special prices made on $5\frac{3}{16}$ in. to 10 in. diameter, also on 25 to 30 ft. lengths of $1\frac{7}{16}$ to $3\frac{15}{16}$ in. diameter.

Shafting not boxed for shipment without instructions.



CUT NO. 13. FLANGED FACE COUPLING.

Flanged Faced Couplings.

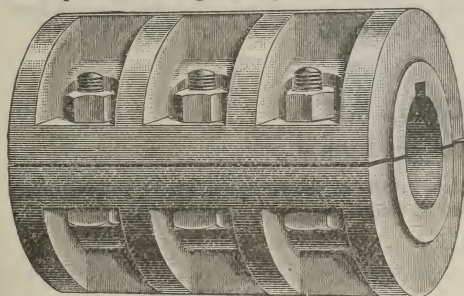
FOR PRICE LIST SEE PAGE 25.

These couplings are very strong. The faces are made male and female, and are accurately fitted together. They are bolted with hexagon head and nut machine bolts. The flanges are of sufficient width to protect the heads and nuts of bolts. The ends of hubs are faced, and the outside and edges of flanges are turned. These couplings are key-seated and provided with keys. When ordered fitted to shaft they are driven in place and keyed, and are again faced off while on the shaft, thus insuring a perfect running line.

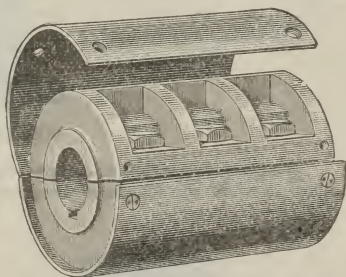
COMPRESSION COUPLINGS.

FOR PRICE LIST SEE PAGE 25.

Long and severe tests have proven these couplings to be equal in all respects to any on the market. They clamp the shaft with all the direct force of the bolts and, through our improved process, by which the bearings are made perfectly straight, hold the ends of the shafts parallel with a positive grip. A very desirable feature of this coupling is that it may be



CUT NO. 14. COMPRESSION COUPLING.



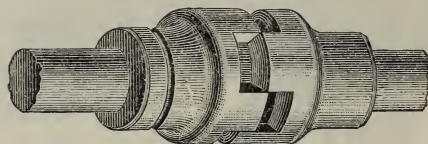
CUT NO. 15. COMPRESSION COUPLING WITH SHELL.

removed and replaced without disturbing the shaft. We also make these couplings with a shell or cover (see cut No. 15), which is turned up so as to form a pulley face, on which a belt may be run. When these couplings are ordered with shafting fitted we fit them to the shaft, and after so doing line up and run the shafts between bearings in our works to insure a perfect running line.

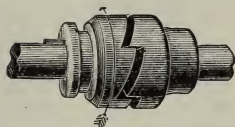
DENTAL CLUTCH COUPLINGS.

FOR PRICE LIST SEE PAGE 26.

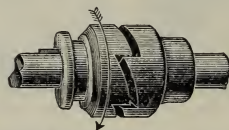
These couplings are valuable where it is desirable to disconnect one part of a line shaft and permit the balance to run in places where it would not pay to use a friction clutch coupling, also for use in coupling up line shafts where from the nature of the surroundings the shaft is likely to get out of line (as in elevator work where the load in the house is con-



CUT NO. 16. SQUARE JAW.



CUT NO. 17. SPIRAL JAW,
LEFT HAND.



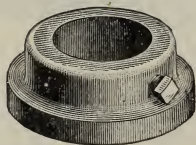
CUT NO. 17. SPIRAL JAW,
RIGHT HAND.

tinually shifting). We also furnish these clutches attached to hubs of pulleys, through which attachment the pulley may be stopped or started without throwing off the belt. This makes a cheap clutch pulley, which can be thrown in or out at a moderate speed. We can furnish either spiral or square jaw clutch at the same price. In ordering spiral clutches ALWAYS state whether they are right or left hand clutches. (See cuts.)

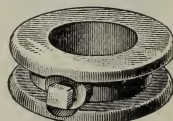
SET COLLARS.

FOR PRICES SEE PAGE 24.

We make two styles of collars—the plain collar, as shown in cut No. 18, and the safety collars, in which the set screws are protected by flanges, as shown in cut No. 19.



CUT NO. 18. PLAIN
COLLAR.



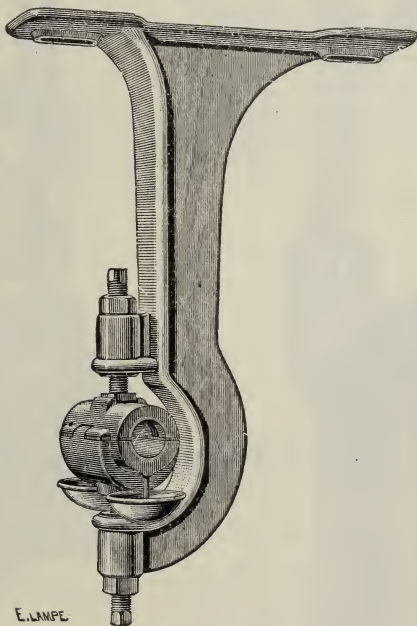
CUT NO. 19. SAFETY
COLLAR.

SINGLE BRACE DROP HANGERS AND FLOOR STANDS.

FOR PRICE LIST SEE PAGE 27.

Our improved drop hangers and floor stands have the advantage of being adjustable in all directions sufficiently to take up any irregularity there may be in the ceiling or floor. The cap is provided with an elongated recess, which allows the box to adjust itself to the shaft when the hanger does not come perpendicular with the shaft, this being a very valuable feature.

(PATENTED.)



CUT NO. 20. SINGLE BRACE.

The bearings are of extra length, and the entire surface is babbitted, there being no ribs to come in contact with the shaft. The boxes are faced off in lathe after being babbitted.

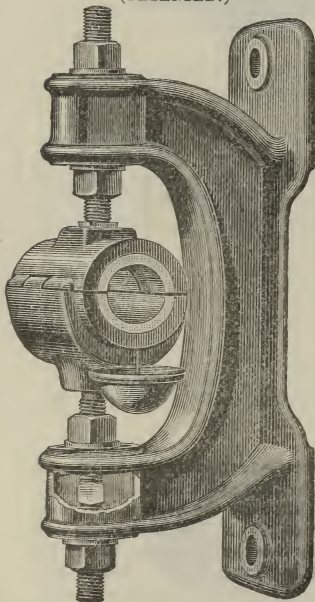
They are self-oiling, and one filling of the reservoir will lubricate the bearing for from six to twelve months, depending on the speed at which the shaft is run. We have made this style drop hangers several years, and although there are many thousands of them in use we have yet to learn of the first instance in which they have failed to do their work satisfactorily in every particular. We warrant them to be superior to the ball and socket hangers for the reason that the box is more rigid in its fastenings and not liable to move sideways, as is the case with the ball and socket, while it has all the movements of the latter and is fully as strong.

Double Brace Drop Hangers and Floor Stands.

FOR PRICE LIST SEE PAGE 28.

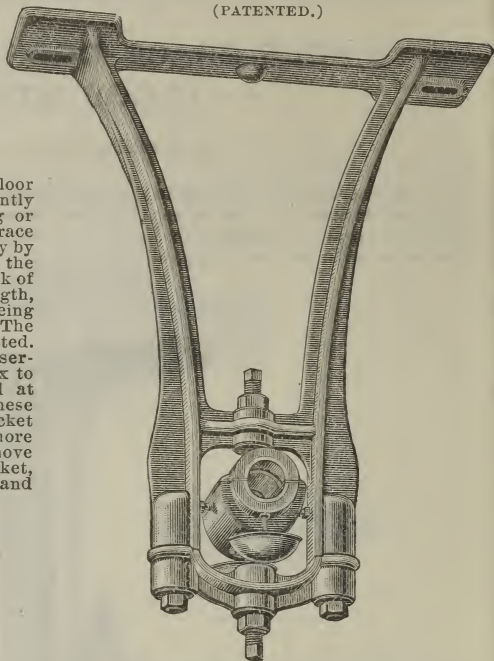
Our improved Drop Hangers and Floor Stands are adjustable in all directions sufficiently to take up any irregularity in the ceiling or floor. A new feature of our Double Brace Hanger is that the box is adjustable laterally by adjusting screws which bear on the sides of the hanger, which greatly facilitates the work of putting up. The bearings are of extra length, and the entire surface is babbitted, there being no ribs to come in contact with the shaft. The boxes are faced off in lathe after being babbitted. They are self-oiling, and one filling of the reservoir will lubricate the bearing for from six to twelve months, depending on the speed at which the shaft is run. We warrant these hangers to be superior to the ball and socket hangers for the reason that the box is more rigid in its fastenings and not liable to move sideways, as is the case with the ball and socket, while it has all the movements of the latter and is fully as strong.

(PATENTED.)



CUT NO. 22. ADJUSTABLE POST
HANGER.

(PATENTED.)



CUT NO. 21. DOUBLE BRACE.

ADJUSTABLE POST HANGERS.

Adjustable in all Directions—Self-oiling
Babbitted Bearings.

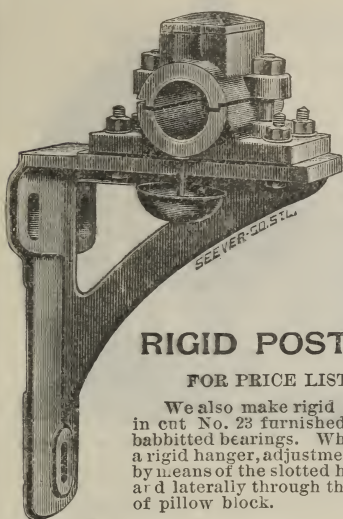
FOR PRICE LIST SEE PAGE 29.

The improvements in these post hangers consist in their being adjustable in the same manner as our drop hanger, and that the slotted holes in the bracket permit of the box being readily adjusted in or out from the post, greatly facilitating their putting upon posts which are not in line.

SLOTTED BRACKETS.

FOR PRICE LIST SEE PAGE 30.

We also furnish a Slotted Bracket, to which a pillow block may be attached for use where it is desirable to get a longer extension from wall or post than can be obtained by using a rigid or adjustable post hanger. The price list is on the bracket only. When ordering state whether you want common flat boxes, rigid or ball and socket pillow blocks attached.

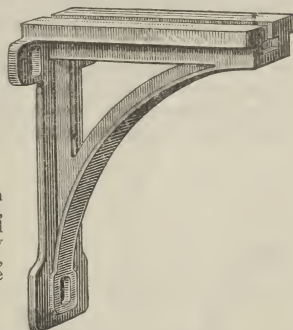


RIGID POST HANGERS.

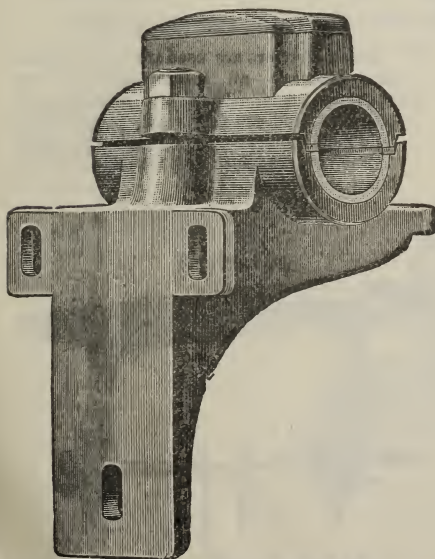
FOR PRICE LIST SEE PAGE 29.

We also make rigid post hangers as shown in cut No. 23 furnished with self-oiling box, babbitted bearings. While the hanger is called a rigid hanger, adjustment can be had vertically by means of the slotted holes in back of bracket, and laterally through the slotted holes in base of pillow block.

CUT NO. 23. RIGID POST HANGER.



CUT NO. 24. SLOTTED BRACKETS.



CUT NO. 25. BRACKET PILLOW BLOCKS.

BRACKET PILLOW BLOCK.

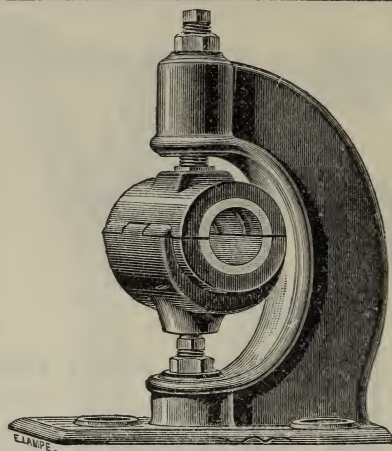
FOR PRICE LIST SEE PAGE 31.

Self-oiling, the entire surface of the bearing is babbitted, there being no ribs to come in contact with the shaft, and are desirable when it is necessary to run the shaft nearer to the post or wall than will be permitted when rigid or adjustable post hangers are used. These Pillow Blocks are of a very neat design.

ADJUSTABLE PILLOW BLOCKS.

FOR PRICE LIST SEE PAGE 31.

These Pillow Blocks are adjustable in every direction and are similar to our single brace hanger. They are furnished with self-oiling babbitted bearings. The entire surface of the bearing is babbitted, there being no rib to come in contact with the shaft. The ends of the boxes are faced off in lathe after being babbitted. These Pillow Blocks may be inverted and used as short drop hangers.



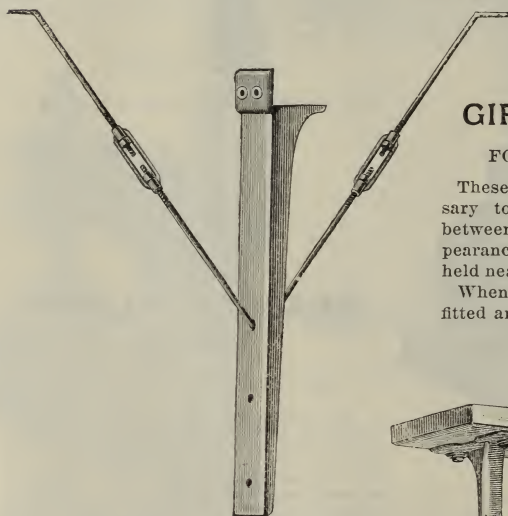
CUT No. 26. ADJUSTABLE PILLOW BLOCKS.

GIRDER HANGERS.

FOR PRICE LIST SEE PAGE 30.

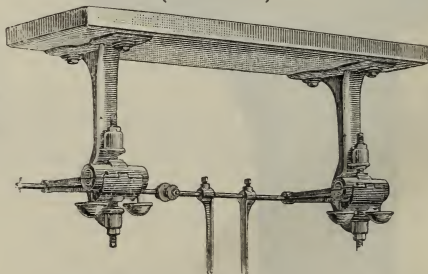
These Hangers are used when it is necessary to have an intermediate bearing between posts. They are neat in appearance, and are very rigid, being firmly held near the bearing by wrought iron guys.

When ordered with Post Hangers they are fitted and bolted to same.



CUT No. 27. GIRDER HANGERS.

(PATENTED.)

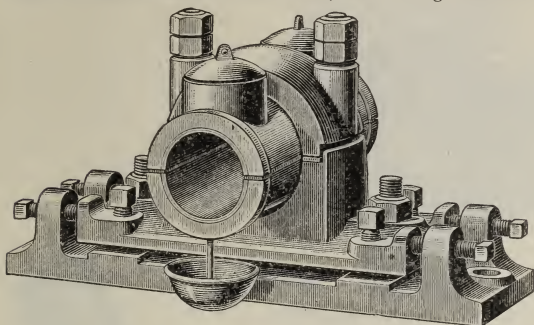


CUT No. 28. COUNTERSHAFT HANGER.

BALL AND SOCKET PILLOW BLOCKS.

FOR PRICE LIST SEE PAGE 31.

These Pillow Blocks are very substantially constructed, have extra long bearings, the entire surface of which is babbitted, there being no ribs to come in contact with the shaft,



CUT NO. 29. BALL AND SOCKET PILLOW BLOCKS.

ing adjusts itself to the line of the shaft. We can furnish these Pillow Blocks with or without base plates.

and the ends of boxes are faced off in lathe after being babbitted. They are self-oiling, and one filling of reservoir will lubricate the bearing for from six to twelve months, depending on the speed at which the shaft is run. The illustration shows Pillow Block on base plate. The base plate gives both lateral and vertical adjustment, and greatly facilitates keeping the shaft accurately in line. This Pillow Block is easy to line up, as the bear-

RIGID PILLOW BLOCKS.

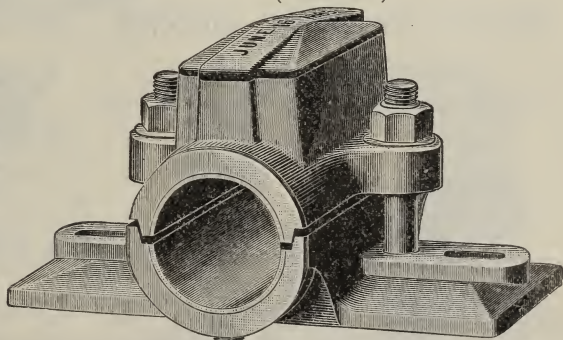
SELF-OILING BABBITTED BEARINGS.

FOR PRICE LIST SEE PAGE 32.

Our Pillow Block is a new departure in this line. The entire surface of the bearing is babbitted, there being no ribs to come in contact with the shaft, and the ends of Pillow Blocks

(PATENTED.)

are faced off in lathe after being babbitted. The oil reservoir is on top, which does away with the annoyance of removing the cap from its bearings for inspection. The oil is fed by siphonic action, and the wick running parallel with the bearings feeds the oil its entire length. The wick can be easily replaced. They do not require a special kind of wick; hemp twine or the like will answer, and the feed can be governed by the number of strands. The bearings are of extra length, and one



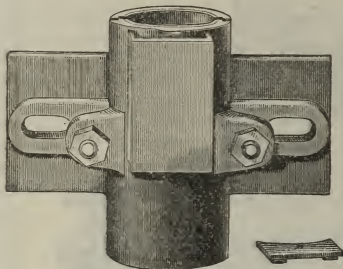
CUT NO. 30. RIGID PILLOW BLOCKS.

filling of reservoir will lubricate bearing for from six to twelve months, according to speed at which shaft is run. These Pillow Blocks are furnished with two slotted holes in base which give lateral adjustment. We can furnish these Pillow Blocks arranged for vertical shafts at price of regular Pillow Blocks. (See Cut No. 31.)

VERTICAL SHAFT BOX.

FOR PRICE LIST SEE LIST ON RIGID PILLOW BLOCKS, PAGE 32.

These Boxes are made like the Rigid Pillow Blocks, except that the reservoir is arranged for the box to be used in a vertical position.

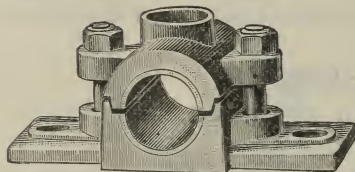


CUT NO 31. VERTICAL SHAFT BOX.

COMMON FLAT BOXES.

FOR PRICE LIST SEE PAGE 32.

Have entire surface of bearing babbitted, there being no ribs to come in contact with the shaft, and the ends of boxes are faced off in lathe after babbitting. These Boxes are not self-oiling, and are cheaper than the Rigid Pillow Blocks.

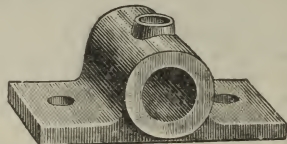


CUT NO. 32. COMMON FLAT BOXES.

SOLID JOURNAL BOXES.

FOR PRICE LIST SEE PAGE 32.

Cast all in one piece, bearings bored, not babbitted.

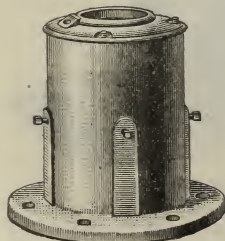


CUT NO. 33. SOLID JOURNAL BOXES.

FLOOR BOXES.

FOR PRICE LIST SEE PAGE 33.

For vertical shaft running through floor. They are furnished with babbitted, adjustable, self-oiling bearings, and are protected against dust by a casing.

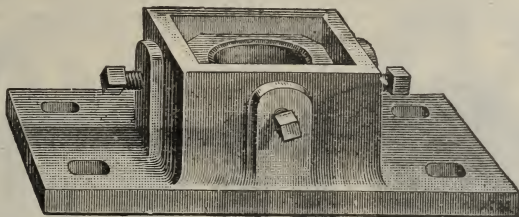


CUT NO. 34. FLOOR BOXES.

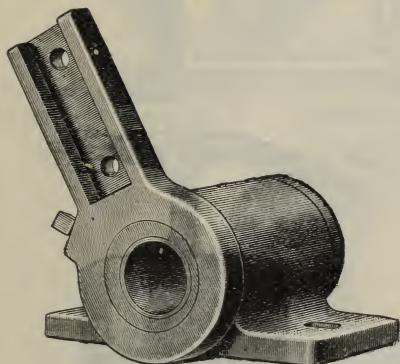
STEP BOXES.

FOR PRICE LIST SEE PAGE 33.

These boxes are used at the base of upright shafts, are adjustable, and are furnished with brass bearings.



CUT No. 35. STEP BOXES.



CUT No. 36. ECCENTRIC BOX.

ECCENTRIC BOX.

FOR PRICE LIST SEE PAGE 34.

Used for engaging and disengaging friction gearing.

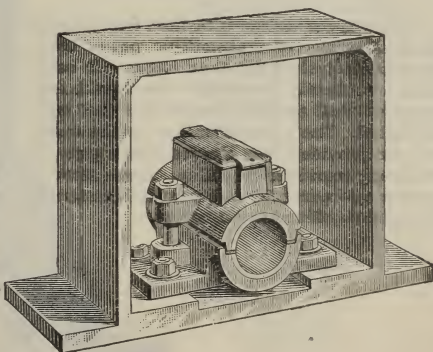
WALL FRAMES.

FOR PRICE LIST SEE PAGE 33.

The price list is for the frames only.

To arrive at the price complete, add price of Rigid Pillow Block or Ball and Socket Pillow Block according to the style of bearing wanted.

We can furnish wall frames with base similar to base plate of Ball and Socket Pillow Block shown in cut No. 29, and will quote prices on application.



EXAMPLE.

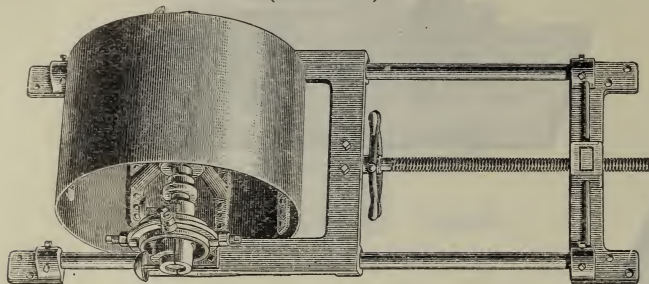
CUT No. 37. WALL FRAME.

BELT TIGHTENERS.

FOR PRICE LIST SEE PAGE 33.

These tighteners are very simply and substantially constructed and are positive in action. They are supplied with self-oiling adjustable bearings, and are capable of the very nicest adjustment, as by using the adjusting screws which hold the boxes, the belt can be made to run exactly in the center of the pulley. These tighteners are in every way superior to the old style Rack and Pinion tightener. We have sold them for years, and they have given perfect satisfaction; we can not recommend them too highly.

(PATENTED.)

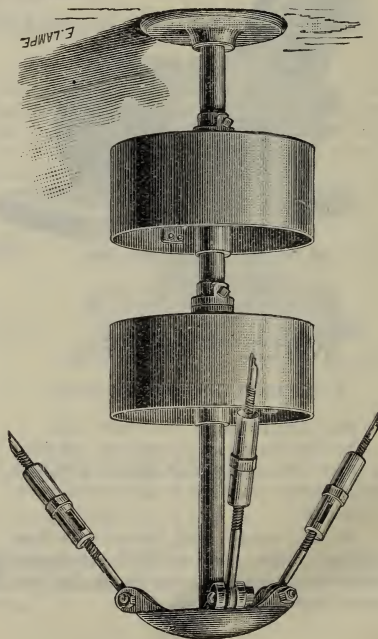


NO. 33. BELT TIGHTENER.

MULE PULLEY STANDS.

FOR PRICE LIST SEE PAGE 34.

A belt in connection with Mule Stand afford the best means of transmitting power from shaft to shaft which are at an angle with each other. We furnish these Mule Stands with any length of shaft and any size pulleys that may be wanted. The pulleys run loose on the shaft, and are provided with sleeves which give an extra long bearing to the pulley. These sleeves are the only part subject to wear and can be replaced at any time at a slight cost.

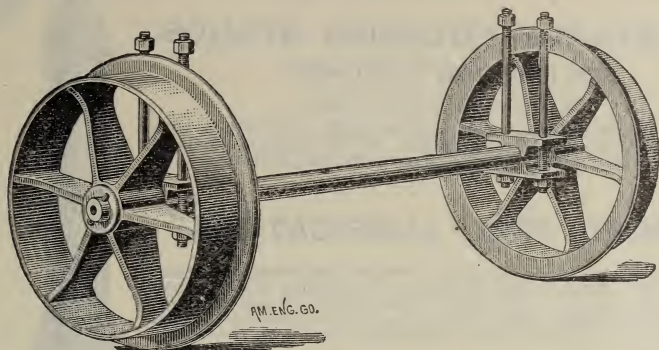


CUT NO. 39. MULE PULLEY STANDS.

LUMBER TRUCK WHEELS.

FOR PRICE LIST SEE PAGE 35.

Our Lumber Truck Wheels are very strong. The price list includes four wheels, two axles, four boxes and eight bolts for 10-inch timbers. The wheels run loose on axle, and are

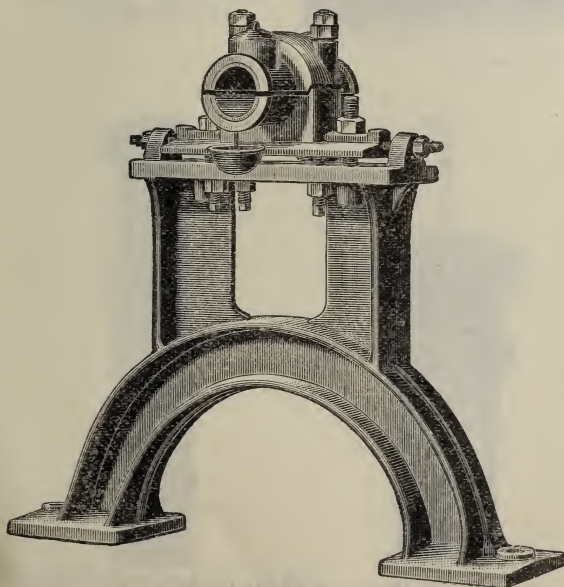


CUT NO. 40 LUMBER TRUCK WHEELS.

held in position by the boxes on inside, and the washers and cotter pin on the outside of wheels. The prices are based on 3-foot gauge track. When ordering give distance between tracks.

SPECIAL FLOOR STANDS.

FOR PRICE LIST SEE PAGE 34.



These Floor Stands are made very strong, are of graceful pattern, and are intended specially for heavy work. They have a long spread on floor, and a large base, which makes them very rigid. We furnish them fitted either with our Rigid Pillow Blocks, or our Ball and Socket Pillow Blocks, both of which are arranged to be adjustable vertically and laterally. We consider that the Ball and Socket Pillow Block makes the most perfect bearing, it being easy to line up, as it adjusts itself to the line of the shaft.

NO. 41. ADJUSTABLE FLOOR STANDS.

ADJUSTABLE FULCRUM STANDS.

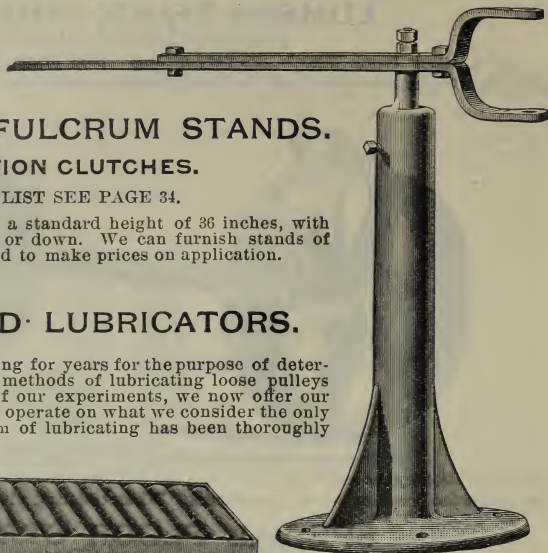
FOR FRICTION CLUTCHES.

FOR PRICE LIST SEE PAGE 34.

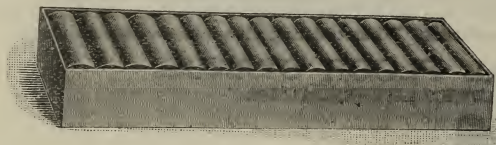
These Stands are made of a standard height of 36 inches, with an adjustment of 3 inches up or down. We can furnish stands of any height, and will be pleased to make prices on application.

FORCED FEED LUBRICATORS.

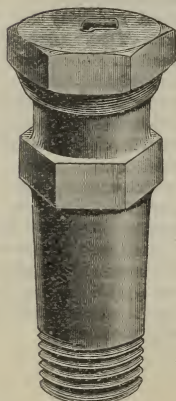
We have been experimenting for years for the purpose of determining which of the various methods of lubricating loose pulleys was the best. As the result of our experiments, we now offer our loose pulley lubricators, which operate on what we consider the only correct principle. This system of lubricating has been thoroughly tested.



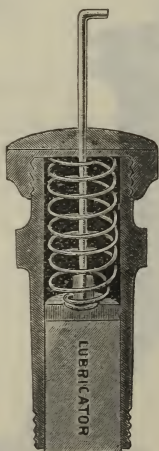
CUT NO. 42. ADJUSTABLE FULCRUM STANDS.



CUT NO. 46. LUBRICANT.



CUT NO. 43.



CUT NO. 44.



CUT NO. 45. SHAFT LUBRICATORS

LOOSE PULLEY LUBRICATORS.

